

**SEMINOLE COUNTY GOVERNMENT
AGENDA MEMORANDUM**

SUBJECT: Change Order #5 to CC-2098-07/DRR - Yankee Lake WRF PH I Improvements and Greenwood Lakes WWTF Biosolids Dewatering Improvements

DEPARTMENT: Administrative Services

DIVISION: Purchasing and Contracts

AUTHORIZED BY: Frank Raymond

CONTACT: Diane Reed

EXT: 7120

MOTION/RECOMMENDATION:

Approve Change Order #5 to CC-2098-07/DRR - Yankee Lake WRF PH I Improvements and Greenwood Lakes WWTF Biosolids Dewatering Improvements with Florida Design Contractors Inc., of Lake Park, Florida, for an increase in the amount of \$202,213.00 and the addition of six (6) calendar days.

County-wide

Ray Hooper

BACKGROUND:

CC-2098-07/DRR provides all labor, materials, equipment, tools, transportation, services and incidentals necessary for construction at both facilities. The Yankee Lake WRF Ph I Improvements consist of upgrading the facility from the existing permitted capacity of 2.5 mgd to 3.5 mgd. The Greenwood Lakes WWTF Biosolids Dewatering Improvements consist of the removal of existing dewatering equipment and the installation of new owner furnished equipment.

The work schedule for CC-2098-07/DRR was divided into three phases with three separate Notices to Proceed issued by the County. Phase I was for Yankee Lake WRF PH I Improvements (excluding work described for Ph II). Phase II was for Yankee Lake WRF installation of an emergency power generator and the relocation of an existing 600 KW emergency power generator. Phase III was for Greenwood Lakes WWTF biosolids dewatering improvements.

Change Order #5 will provide for the additional supplementary processing systems and components necessary to keep the plant online and bypass physical constraints, as the current system does not have backup or redundant mechanisms to support taking elements offline for repair. Due to the operational age of the existing facility, the amount of sludge build up at the bottom of the aeration bays became much greater than the volume originally predicted. In addition, Change Order #5 will add six (6) calendar days to Phase III of the project.

The following is a summary of the cost of the Agreement:

Original Agreement sum	\$9,173,442.00
Change Orders # 1 - 4	259,577.00
Change Order #5	<u>202,213.00</u>
Revised Agreement Total	\$9,635,232.00

This is a budgeted project and funds are available in Yankee Lk Plant Expansion/Rerate (Account #087817.560650, CIP #00195201).

STAFF RECOMMENDATION:

Staff recommends that the Board approve Change Order #5 to CC-2098-07/DRR - Yankee Lake WRF PH I Improvements and Greenwood Lakes WWTF Biosolids Dewatering Improvements with Florida Design Contractors Inc., of Lake Park, Florida, for an increase in the amount of \$202,213.00 and the addition of six (6) calendar days.

ATTACHMENTS:

1. CC-2098-07_DRR - Change Order 5 (Florida Design)

Additionally Reviewed By:

☒ County Attorney Review (Ann Colby)

SEMINOLE COUNTY, FLORIDA
CHANGE ORDER FOR CONSTRUCTION PROJECTS

PURCHASING & CONTRACTS DIVISION
(407) 665-7116

1101 E. First Street
Sanford, Florida 32771-1468

Contract Number: CC-2098-07 Initiation Date: 3/19/2009 Change Order No.: 5 Other Project No.: 10303004
CIP Number: 195201 Contract Date: 7/24/2007 ☐ Work Order No.: Vendor No.: 327097

Contract Title:
Yankee Lake and Greenwood Lakes Re-Rate Project

You are requested to make the following change(s) in this Contract/Work Order, and reason(s) are provided:
See attached summary sheets

Original Contract/Work Order Sum	\$9173442.00
Contract/Work Order sum prior to this change order	\$9433019.00
Change Order Sum (<input checked="" type="checkbox"/> increase) (<input type="checkbox"/> decrease) (<input type="checkbox"/> unchanged)	\$202213.00
New Contract/Work Order sum including this change order will be	\$9635232.00
Time will be (<input checked="" type="checkbox"/> increased) (<input type="checkbox"/> decreased) (<input type="checkbox"/> unchanged) by	<u>6</u> Days
Final Completion Date through this change order	NTP 1 6/11/2009 NTP 2 8/6/09 NTP 3 9/13/08

Waiver: This Change Order constitutes full and mutual accord and satisfaction for the adjustment of Contract/Work Order Price and Time as a result of increases or decreases in costs and time of performance caused directly and indirectly from the change. Acceptance of this Waiver constitutes an agreement between County and Contractor that the Change Order represents and equitable adjustment to the Agreement and that Contractor shall waive all rights to file a Contract Claim of any nature on this Change Order. Execution of this Change Order shall constitute Contractor's complete acceptance and satisfaction that it is entitled to no more costs or time (direct, indirect, impact, etc.) pursuant to this Change Order.

Acknowledgements: The aforementioned change, and work affected thereby, is subject to all provisions of the original Agreement not specifically changed by this Change Order; and it is expressly understood and agreed that the approval of the Change Order shall have no effect on the original agreement other than matters expressly provided herein.

This Change Order ☒ does ☐ does not involve changes to the design of the project, which would require signature by the Architect/Engineer of Record. Project Manager (initials)

Project Manager (Signature)

Architect/Engineer (Signature)

Contractor (Seal & Signature)

Department/Division Environmental Services

By: Carol Hunter

(Print Name)

Date: 4/2/09

Address (List Above)

By: Daniel August

(Print Name)

Date: 3/25/09

Address (List Above)

By: Tom Clarke

(Print Name)

Date: 3/24/09

☐ Purchasing & Contracts Approval Pursuant to Administrative Code:

WITNESSES:

Robert Hunter, Procurement Supervisor Date
As authorized by Section 8.153, Seminole
County Administrative Code

SEMINOLE COUNTY BOARD OF COUNTY COMMISSIONERS ☐ Board Approval:

ATTEST:

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

MARYANNE MORSE
Clerk to the Board of County Commissioners of
Seminole County, Florida.

BOB DALLARI, Chairman Date

Approved as to form & legal sufficiency:

As authorized for execution by the Board of County
Commissioners at their , 20
regular meeting.

County Attorney Date

NOT VALID UNTIL SIGNED BY OWNER AND CONTRACTOR AND ARCHITECT/ENGINEER (AS APPLICABLE).

YANKEE LAKE – GREENWOOD LAKES RE-RATE**CC-2098-07/DRR****CIP #195201****WBS #10303004****Change Order #005 Summary:**

ITEM	DESCRIPTION	REASON FOR CHANGE
23	Request for Info #119 – Greenwood Lakes – Modify BFP Feed piping to Belt Filter Press	Location of Press and location of existing incoming floor pipe were not aligned as shown in the drawings
29	Field Order #27 - Yankee Lake and Greenwood Lakes – Install Owner-Furnished backflow preventers on Polymer system Potable Water piping.	Owner Requested
31	Request for Info #127 – Greenwood Lakes Belt Filter Press walkway handrail modifications.	To allow room for Andritz control panel door swing
32	Field Order #29 – Modify Cake Sludge piping at Greenwood Lakes BFP Loadout	To allow truck trailers to clear the piping and for sludge to drop in the center of the trailers.
33	Field Order #33 – Greenwood Lakes – Modify Cake Sludge pipe supports	To allow for vertical uplift during flushing
34	Field Order #34 – Greenwood Lakes – Install H-shaped drain trench under Belt Filter Press	To allow for better drainage under the press
36	Request for Info #167 – Yankee Lake motorized valve modifications on OPEN/CLOSED valves	Analog signals shown on the drawings were not what was needed for these valves.
37	Field Order #36 – Relocate Washwater Booster Pump at Yankee Lake Belt Filter Press	Engineer of Record requested to make room for future installations
38	Field Order #37 – Yankee Lake – Replace ethernet switch in 150-CP-1.	To provide a managed network for the 150 PLC in the Panel
39	Field Order #35 – Provide additional light fixtures at the Equalization Pump Station	To illuminate dark spots due to tall pumps.
40	Request for Quotation #3 – Delete polyethylene caps on piping at Greenwood Lakes	Requested by the Contractor
41	Request for Quotation #2 - Provide additional SCADA items at Yankee Lake and Greenwood Lakes	Owner Requested
44	Request for Info #176 – Yankee Lake – Provide coquina shell road to access Equalization Pump Station	Shown in the drawings, but specification not applicable
47	Request for Information #173 – Yankee Lake – Increase of 300 wet tons to the unit price quantity for Sludge Removal	Unforeseen Site Condition

CONTRACT PRICE AND CONSTRUCTION TIME ADJUSTMENTS

	Contract Price	Construction Time
Original:	\$ 9,173,442.00	390 days
Approved Change Orders:	\$ 259,577.00	177 days
This Change Order:	\$ 202,213.00	0 days
Adjusted Contract Cost:	\$ 9,635,232.00	567 days

Adjusted Date of Final Completion: June 11, 2009

Submitted By: Allen C. Bigelow
Allen Bigelow, Construction Manager

3/19/09
Date

SEMINOLE COUNTY CHANGE ORDER ATTACHMENT

Project Name: Yankee Lake – Greenwood Lakes Re-Rate Project Project/Agreement No. <u>CC-2098-07/DRR (CIP 195201)</u> Change Order No. <u>005</u>						
Item	Description	Qty	Unit	Unit Price	Qty Inc / Dec	Amount
23	Modify Belt Filter Press feed piping at GWL	1	LS	\$656	Inc	\$656
29	Install Owner-Furnished backflow preventers at YL and GWL	1	LS	\$628	Inc	\$628
31	Modify GWL handrail	1	LS	\$936	Inc	\$936
32	Modify Cake Sludge Drop Pipes	1	LS	\$2416	Inc	\$2416
33	Modify GWL Cake Sludge pipe supports	1 2	LS DA	\$5816	Inc Inc GWL	\$5816
34	Drain Trench under GWL BFP	1 4	LS DA	\$7184	Inc Inc GWL	\$7184
36	Modify YL Motor Operated Valves	1	LS	\$10186	Inc	\$10186
37	Relocate Washwater Booster Pump at YL	1	LS	\$2848	Inc	\$2848
38	Install ethernet switch at YL	1	LS	\$1272	Inc	\$1272
39	Add lights at EQ Pump Station	1	LS	\$1853	Inc	\$1853
40	Delete caps on pipe bolts at GWL	1	LS	\$1811	Dec	(\$1811)
41	Provide additional SCADA items	1	LS	\$4259	Inc	\$4259
44	Provide all-weather road to EQ P.S.	1	LS	\$970	Inc	\$970
47	Sludge Removal Unit Price quantity increase.	1	LS	\$165000	Inc	\$165000
Total:						\$202213 0 Days 6 Days to GWL

FDC NO.	SEM NO.	TYPE	DESCRIPTION	DAYS ASKED	CONTR QUOTE	ENGINEER ESTIMATE	FINAL AMOUNT
PROP 23	RFI 119	USC	ALIGNMENT OF INCOMING BELT FILTER PRESS FEED PIPING AT GREENWOOD LAKES	0	\$656.00	\$656.00	\$656.00
PROP 29	FO 27	OR	ADDITION OF OWNER FURNISHED BACKFLOW PREVENTERS ON POLYMER SYSTEMS	0	\$628.00	\$628.00	\$628.00
PROP 31	RFI 127	USC	MODIFY GWL HANDRAIL	0	\$1,395.00	\$936.00	\$936.00
PROP 32	FO 29R	PE	MODIFY CAKE SLUDGE DROP PIPES	0	\$2,416.00	\$2,416.00	\$2,416.00
PROP 33	FO 33	O	MODIFY GREENWOOD LAKES CAKE SLUDGE PIPE SUPPORTS	2 (GWL)	\$7,710.00	\$5,816.00	\$5,816.00
PROP 34	FO 34	OR	DRAIN TRENCH UNDER GREENWOOD LAKES BFP	4 (GWL)	\$7,184.00	\$7,184.00	\$7,184.00
PROP 36	RFI 167	OR	MODIFY MOTOR OPERATED VALVES THAT HAVE OPEN/CLOSED FUNCTIONS ONLY	0	\$10,186.00	\$10,186.00	\$10,186.00
PROP 37	FO 36	PE	RELOCATE WASHWATER BOOSTER PUMP AND AIR FLUSH LINE	0	\$2,848.00	\$2,848.00	\$2,848.00
PROP 38	FO 37	OR	INSTALL PREFERRED ETHERNET SWITCH IN 150-CP-1	0	\$1,272.00	\$1,272.00	\$1,272.00
PROP 39	FO 35	OR	ADD LIGHTS AT EQUALIZATION PUMP STATION	0	\$1,853.00	\$1,853.00	\$1,853.00
PROP 40	RFQ 3	O	DELETE POLYETHYLENE CAPS ON PIPE BOLTS AT GREENWOOD LAKES	0	-\$1,811.00	-\$1,811.00	-\$1,811.00
PROP 41	RFQ 2	O	PROVIDE ADDITIONAL SCADA ITEMS	0	\$4,259.00	\$4,259.00	\$4,259.00
PROP 44	RFI 176	PE	PROVIDE AND INSTALL COQUINA SHELL ROAD TO EQUALIZATION PUMP STATION AREA.	0	\$970.00	\$970.00	\$970.00
PROP 47	RFI 173	USC	INCREASE UNITS FOR SLUDGE REMOVAL UNIT PRICE BID ITEM	0	\$165,000.00	\$165,000.00	\$165,000.00
			CHANGE ORDER #005 TOTAL	0	\$204,566.00	\$202,213.00	\$202,213.00

OR=OWNER REQUESTED
USC=UNFORESEEN SITE CONDITIONSPE=PROJECT ENHANCEMENTS
O=OTHER



To: Allen Bigelow

Company: CH2M Hill

Address: 510 West Lake Mary Blvd
Sanford, Florida 32773

Telephone No. 407-323-5396

Fax No. 407-665-2055

Date: Thursday, July 31, 2008

From: Jeffrey Holst, Project Engineer

Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #23 for Changes to GWL Piping per RFI #119

Florida Design Contractors proposes to provide and install the piping as shown on the attached drawing as requested by the Owner.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$655.66~~ \$ 656

Please find attached for your information and use:

- Cost Proposal Summary Sheet #26 Revised
- RFI #119
- Supplier Material Quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.



FLORIDA DESIGN CONTRACTORS
1326 S. Killian Drive
Lake Park, FL 33403
Civil & Environmental Contractors

COST PROPOSAL
NO. : 023 Revised

PROJECT NAME: Yankee Lake WRF Phase I Improvements

CIP #195201, WBS #10303004, CC-2098-07/DRR

LOCATION: Seminole County, FL

DATE: 07/31/08

OWNER: Seminole County

DRAWING NO: GWL D-101

ENGINEER: Boyle Engineering

SPEC. SECTION: N/A

REFERENCE TIME & MATERIAL:

REQUEST FOR PROPOSAL: X

DESCRIPTION: Provide material and labor to implement necessary changes to BFP feed piping design due to offset between the press and the existing feed pipe stub up shown on the attached, accepted layout sketch per the response to RFI #119. Sales tax of 6% shown on this form.

PRICING INFORMATION

1. DIRECT LABOR

1.A GENERAL LABOR:

1.B FIELD ENGINEERING:

1.C DAILY GENERAL CONDITIONS

SKILL/TRADE	MAN-HOURS	RATE	COST
Welder	MH	\$ 70.00	\$ -
Unskilled	MH	\$ 40.00	\$ -
Skilled	MH	\$ 45.00	\$ -
Operator	MH	\$ 49.00	\$ -
Foreman	MH	\$ 55.00	\$ -
Superintendent	MH	\$ 85.00	\$ -
Project Engineer	2 MH	\$ 90.00	\$ 180.00
Project Manager	2 MH	\$ 110.00	\$ 220.00
Vice President	MH	\$ 135.00	\$ -
Time Increase	DAYS	\$ 1,000.00	\$ -

OVERHEAD & PROFIT	SUBTOTAL (1)	\$ 400.00
	Punchlist 1.5% Labor	\$ 6.00
	15%	\$ 60.90
	TOTAL (1)	\$ 466.90

2. MATERIALS AND EQUIPMENT

2.A EQUIPMENT:

2.B MATERIAL

2.C DIRECT COSTS:

DESCRIPTION	WEEKS	UNIT PRICE	COST
Crane Truck		\$3,000.00	\$ -
Excavator		\$2,300.00	\$ -
Loader		\$2,000.00	\$ -
Dewatering		\$1,300.00	\$ -
Backhoe		\$1,500.00	\$ -
Compactor		\$450.00	\$ -
MATERIAL	UNITS NOTED		
Equipment Fuel	8% Fueled Equipment Cost		\$ -
Small Tools / Consumables	2% Labor Cost		\$ -
			\$ -
6" Flange Kit	(2)	EA \$ 82.47	\$ (164.94)
8" 22.5 Bend Flanged	1	EA \$ 238.50	\$ 238.50
6" Megaflange	1	EA \$ 82.15	\$ 82.15
			\$ -
			\$ -
OVERHEAD & PROFIT	SUBTOTAL (2)		\$ 155.71
	15%		\$ 23.36
	TOTAL (2)		\$ 179.07

3. SUBCONTRACTORS

DESCRIPTION OF WORK

COST

OVERHEAD & PROFIT

ADDITIONAL INSURANCE (.55%) AND BONDING (.85%) COSTS:

SUBTOTAL (3)	\$ -
5%	\$ -
TOTAL (3)	\$ -
TOTAL (1)+(2)+(3)	\$ 645.97
1.5%	\$ 9.69
GRAND TOTAL	\$ 655.66

By: _____
Engineer (Authorized Signature)

By: _____
Owner (Authorized Signature)

By: _____
Date: _____
Florida Design Contractors, Inc.



SEMINOLE COUNTY ENVIRONMENTAL SERVICES CAPITAL IMPROVEMENT PROGRAM REQUEST FOR INFORMATION - CONSTRUCTION

RFI Number	119
Project Name	Yankee Lake / Greenwood Lakes Re-Rate
Contractor	Florida Design Contractors
CIP Number	195201
WBS Number	10303004
Date Submitted	05/01/08
Prepared By	Jeffrey Holst
Sheet Number	D-101, D-301
Specification	

DATE STAMP – Received by Program Document

Description of Request

Please see attached the proposed piping arrangement for the GWL belt filter press feed piping and advise. Please note that spools have been eliminated in the vertical run.

Forwarded By: Allen Bigelow

Title: Construction Manager

Date of Forwarding: May 1, 2008

Response to Request

We have no objections to the proposed modifications.

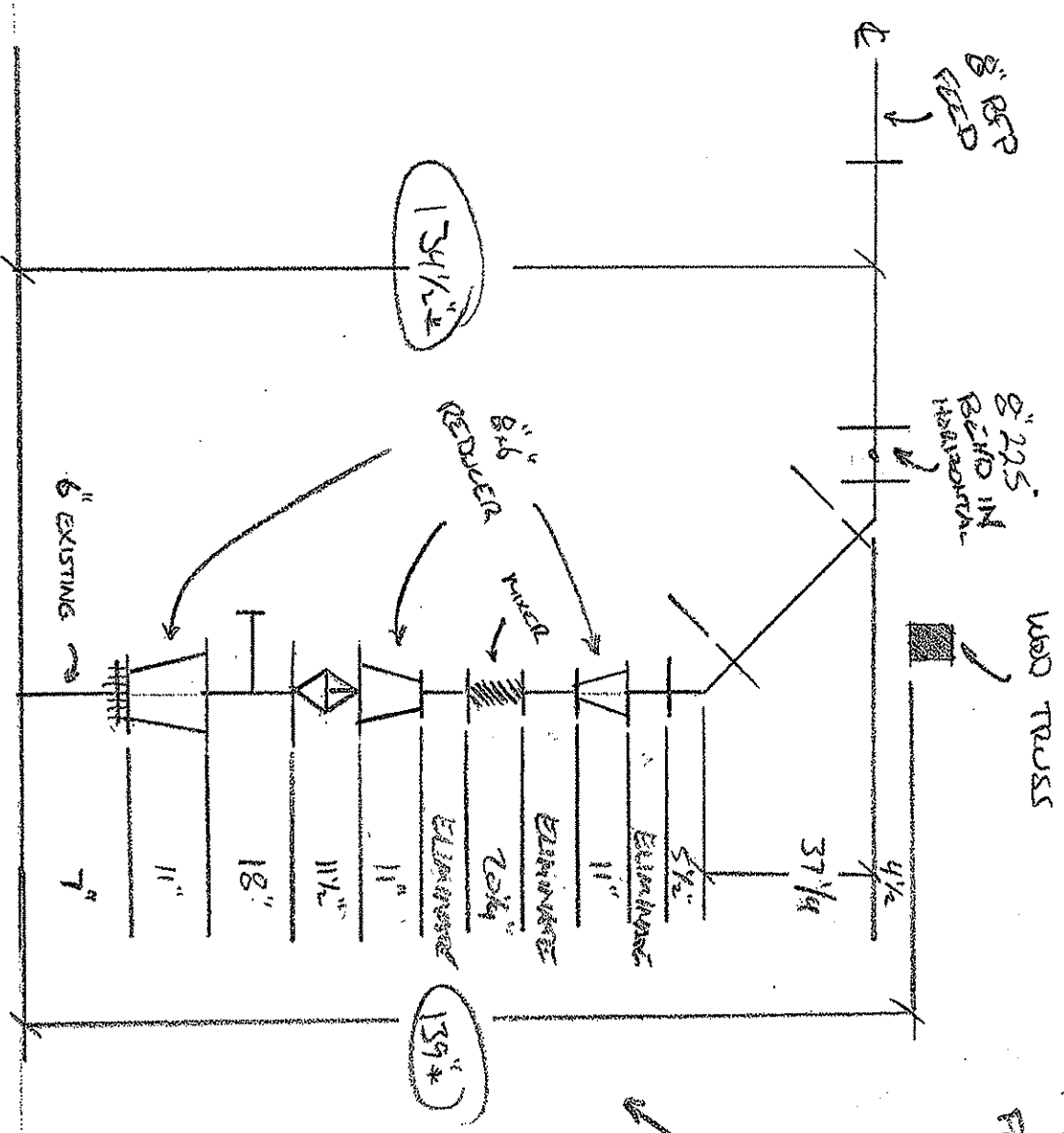
Responded By: Brenda Keenan

Title: Assistant Engineer

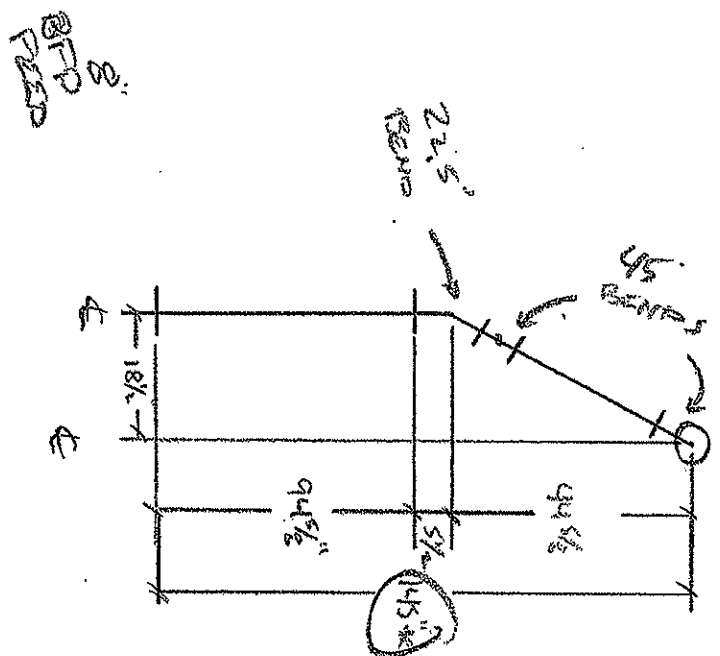
Date of Response: 5/2/2008

Date Returned to Contractor: 5/2/2008

Returned By: Allen Bigelow



* POSSIBLE FLOOR
FAILURE IN VERT.
R/W



8 1/2 360

Jeff Holst

From: Vela, Alex [HDS - NWW] [Alex.Vela@hdsupply.com]
Sent: Friday, May 09, 2008 4:20 PM
To: Jeff Holst
Cc: Smith, George [HDS - NWW]
Subject: RE: GWL Change Order Quote

Jeff,
As requested –

8"	Flanged P401 lined 22-1/2 bend	\$225.00/each
6"	2106 mega-flange w/acc kit	\$77.50/each
6"	316SS bolt/nut/gasket kit	\$77.80/each

*Plus
6%
TAX*

Thank you.

From: Jeff Holst [mailto:jholst@floridadesigncontractors.com]
Sent: Friday, May 09, 2008 3:54 PM
To: Vela, Alex [HDS - NWW]
Subject: GWL Change Order Quote

Alex,

Please quote the following for a change order proposal at GWL:

8" flanged E/P DIP 22.5 bend
6" Megaflange for DIP and accessory kit
6" SSTL flange kit (this will actually be a credit)

Thanks,

Jeffrey T. Holst

Project Engineer
Florida Design Contractors, Inc.
O: 561-845-1233 x 103
C: 561-324-3149
F: 561-848-5992

No virus found in this incoming message.

Checked by AVG.

Version: 7.5.524 / Virus Database: 269.23.9/1419 - Release Date: 5/7/2008 7:46 AM

5/9/2008



To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Monday, July 14, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #029 for FO #207

Florida Design Contractors proposes to install Owner-furnished backflow preventers as requested by the Owner.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$628.21~~ \$628

Please find attached for your information and use:

- Cost Proposal Summary Sheet #029
- FO #027

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.

**FLORIDA DESIGN CONTRACTORS**

1326 S. Killian Drive

Lake Park, FL 33403

Civil & Environmental Contractors

COST PROPOSAL

NO. : 029

PROJECT NAME: Yankee Lake WRF Phase I Improvements

CIP #195201, WBS #10303004, CC-2098-07/DRR

LOCATION: Seminole County, FL

DATE: 07/14/08

OWNER: Seminole County

DRAWING NO.:

ENGINEER: Boyle Engineering

SPEC. SECTION:

REFERENCE TIME & MATERIAL:

REQUEST FOR PROPOS.

x

DESCRIPTION: Install OFE backflow preventers per FO #027.

PRICING INFORMATION**1. DIRECT LABOR****1.A GENERAL LABOR:**

SKILL/TRADE	MAN-HOURS		RATE	COST
Welder		MH	\$ 70.00	\$ -
Unskilled	2	MH	\$ 40.00	\$ 80.00
Skilled		MH	\$ 45.00	\$ -
Operator		MH	\$ 49.00	\$ -
Foreman	4	MH	\$ 55.00	\$ 220.00
Superintendent		MH	\$ 85.00	\$ -
Project Engineer		MH	\$ 90.00	\$ -
Project Manager	2	MH	\$ 110.00	\$ 220.00
Vice President		MH	\$ 135.00	\$ -
Time Increase		DAYS	\$ -	\$ -

1.B FIELD ENGINEERING:**1.C DAILY GENERAL CONDITIONS**

OVERHEAD & PROFIT		SUBTOTAL (1)	\$	520.00
		Punchlist 1.5% Labor	\$	7.80
		15%	\$	79.17
		TOTAL (1)	\$	606.97

2. MATERIALS AND EQUIPMENT**2.A EQUIPMENT:**

DESCRIPTION	WEEKS	UNIT PRICE	COST
Crane Truck		\$3,000.00	\$ -
Excavator		\$2,300.00	\$ -
Loader		\$2,000.00	\$ -
Dewatering		\$1,300.00	\$ -
Backhoe		\$1,500.00	\$ -
Core Drill Rental		\$450.00	\$ -

2.B MATERIAL

MATERIAL		UNITS NOTED	
Equipment Fuel		0% Fuelled Equipment Cost	\$ -
Small Tools/Consumables		2% Labor Cost	\$ 10.40
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -

2.C DIRECT COSTS:

OVERHEAD & PROFIT		SUBTOTAL (2)	\$	10.40
		15%	\$	1.56
		TOTAL (2)	\$	11.96

3. SUBCONTRACTORS**DESCRIPTION OF WORK****COST**

OVERHEAD & PROFIT

SUBTOTAL (3)	\$	-
0%	\$	-
TOTAL (3)	\$	-
TOTAL (1)+(2)+(3)	\$	618.93
1.5%	\$	9.28
GRAND TOTAL	\$	628.21

ADDITIONAL INSURANCE (.55%) AND BONDING (.95%) COSTS:

By: _____
Engineer (Authorized Signature)By: _____
Owner (Authorized Signature)By: _____
Florida Design Contractors, Inc.

Date: _____

Date: _____

Date: _____



FIELD ORDER – YANKEE LAKE / GREENWOOD LAKES RE-RATE

CIP 195201 WBS 10303004 CC-2098-07/DRR

TO CONTRACTOR: Florida Design Construction FIELD ORDER NO: 027
PROJECT: YL / GWL Re-Rate PROJECT NO: 361846.03
OWNER: Seminole County Environmental Services
ENGINEER: Boyle Engineering

The following minor changes in the work have been ordered and authorized:

Description of Changes:

Greenwood Lakes Drawing D-502 (23)

Yankee Lake – Drawing D-504 (56)

1. Install Owner-Furnished backflow preventer on the potable water line to the Polymer system at both sites. Refer to the attached marked up detail 2 on D-504 (56) and detail 5 on D-502 (23).

Reason for Changes:

1. Owner Requested to protect potable water supply.

Reference Drawing sheets and section(s) or detail(s):

Yankee Lake D-504 (56) and Greenwood Lakes D-502 (23)

Reference Specification section(s)/paragraph(s):

The intent of this Field Order is to authorize minor variations to the Contract Documents not involving a change in Contract Price or Contract Times and which are compatible with the design concept of the completed Project. This Field Order is binding upon OWNER and also on CONTRACTOR who will perform the work promptly. If OWNER or CONTRACTOR believes an adjustment to the Contract Price or Contract Times is necessary, the party may make a claim therefore in accordance with the General Conditions.

Issued by Engineer:

By: Donald D. Angulo
Authorized Representative

Date: 6/11/08

Contractor Receipt Acknowledgement:

By: [Signature]

Title: V.P.

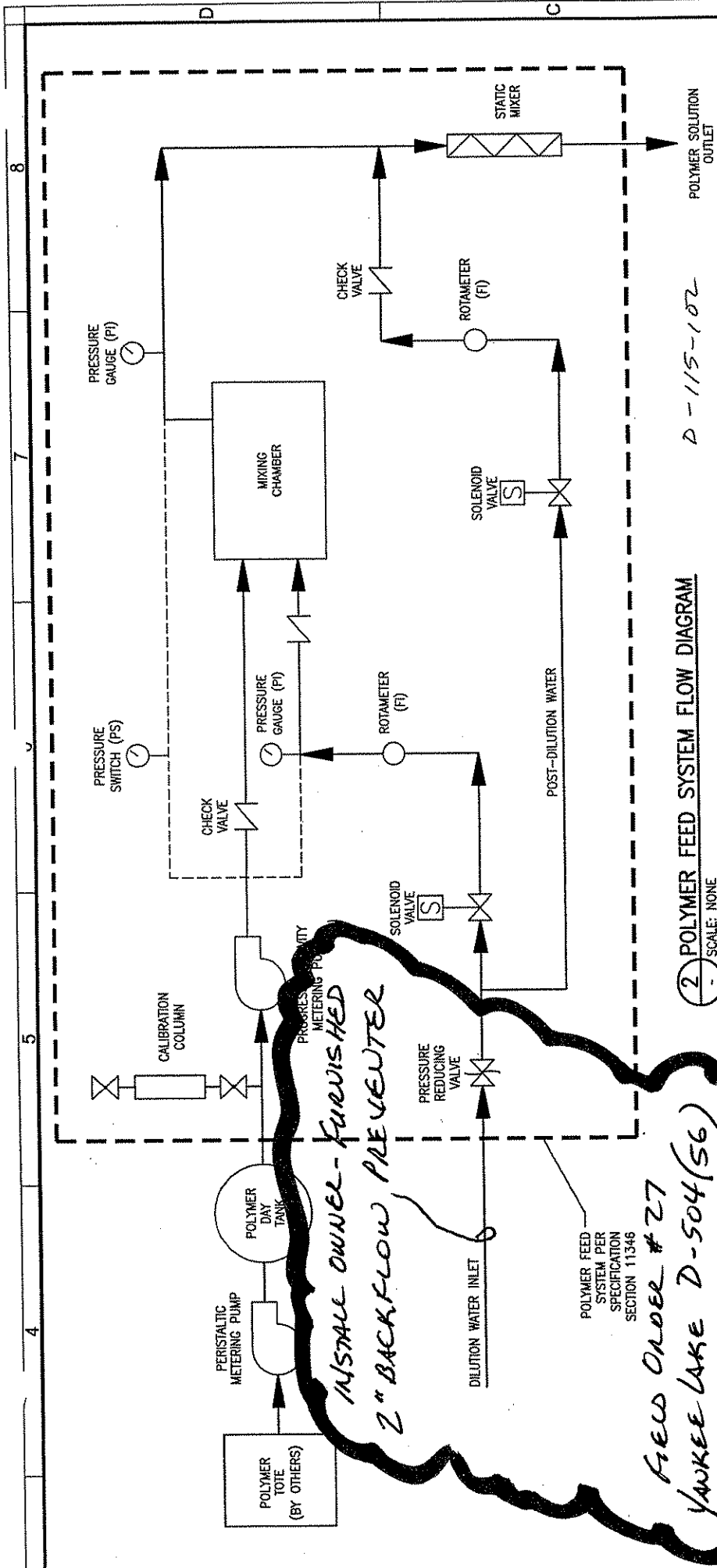
Date: 6/18/08

Copy:

1. Owner
2. Field File

3. Dean Garcia
4. Florida Design

5. Boyle
6. CH2M HILL – Document Control

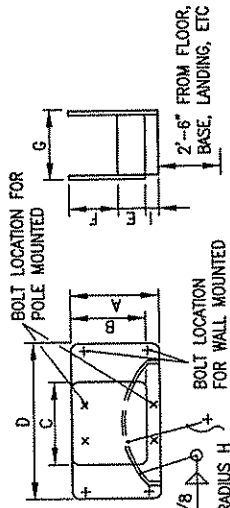


2 POLYMER FEED SYSTEM FLOW DIAGRAM

SCALE: NONE

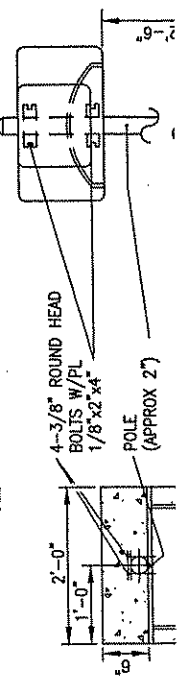
D-115-102

- NOTES:
1. PROVIDE 50' OF 1" DIA HOSE WITH PISTOL GRIP SHUTOFF NOZZLE PER HOSE RACK.
 2. UNITS FABRICATED FROM 1/8" 6061-T6 ALLOY PLATE. USE TYPE "B" JOIN ON DWGS.

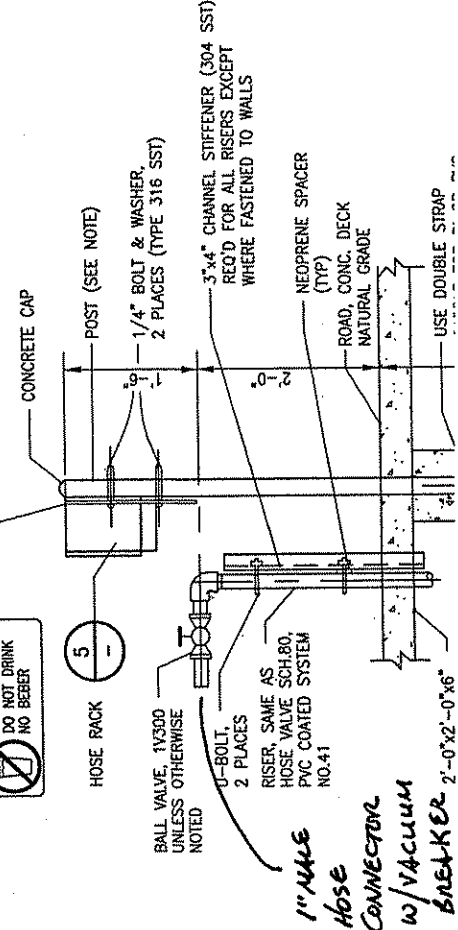


RACK TYPE	DIMENSION IN INCHES											
	A	B	C	D	E	F	G	H	I	J	K	L
TYPE B-1 HOSE	14	12	12	24	4	8	10	13	2			

WALL MOUNTED - ATTACH TO CONCRETE WALL W/ 3/8" STAINLESS STEEL STUD TYPE WEDGE ANCHORS
POLE MOUNTED - INCLUDES POSTS, HANDRAILS, STANCHIONS, ETC
SEE BELOW.



NOTE:
MOUNT SIGN ON WALL OR HANDRAIL WITHIN 2 FT OF HOSE VALVE. IF WALL OR HANDRAIL IS NOT AVAILABLE, PROVIDE 2" DIA SCH 40 304 SST POST IN CONC FOOTING

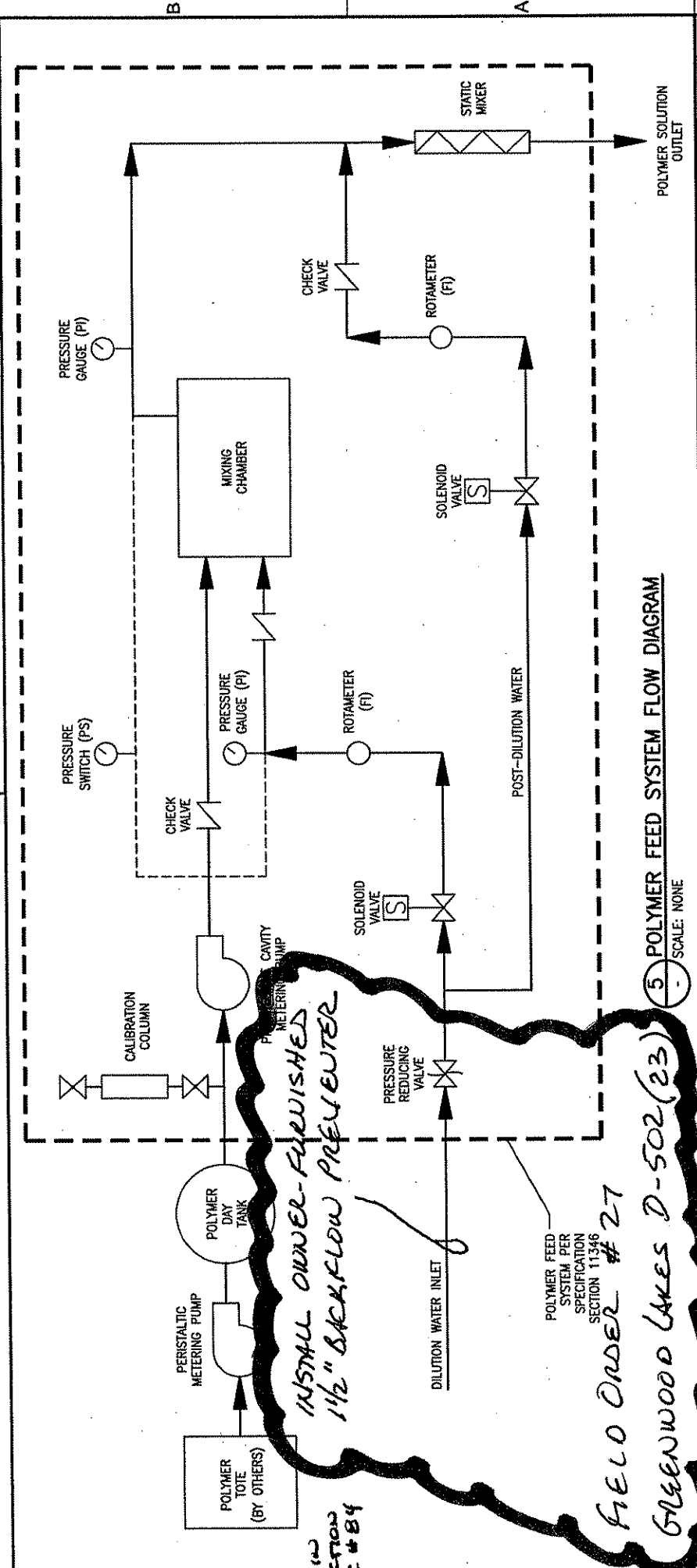
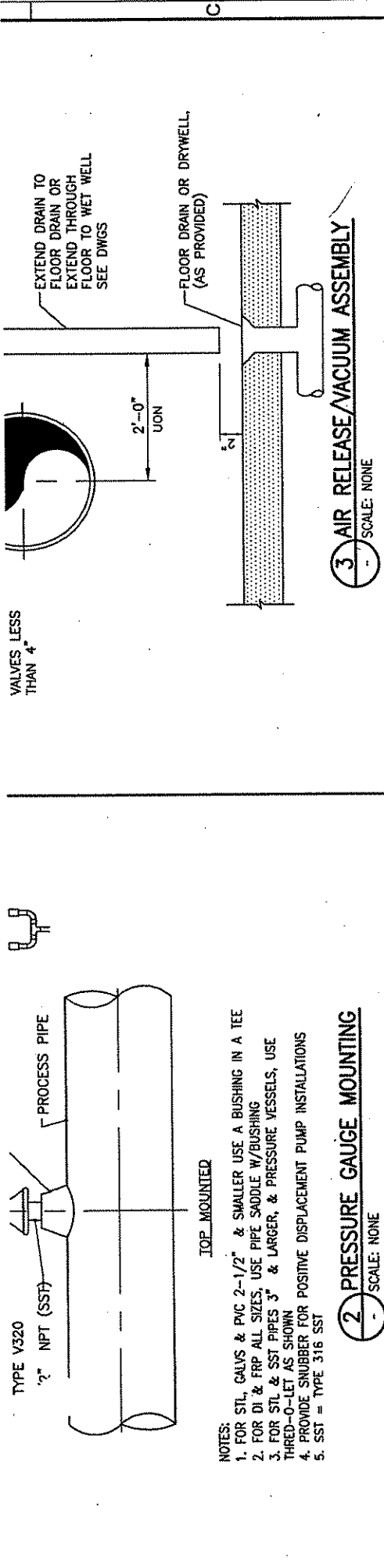


RECLAIMED WATER
DO NOT DRINK
NO BEER

FIELD ORDER #27
YAWKEE LAKE D-504(56)

INSTALL OWNER-FURNISHED
2" BACKFLOW PREVENTER

1" NIPPLE
HOSE
CONNECTOR
W/ VACUUM
BREAKER 2'-0" x 2'-0" x 6"



NOTES:

1. FOR STL GALVS & PVC 2-1/2" & SMALLER USE A BUSHING IN A TEE
2. FOR DI & FRP ALL SIZES, USE PIPE SADDLE W/BUSHING
3. FOR STL & SST PIPES 3" & LARGER, & PRESSURE VESSELS, USE THRED-O-LET AS SHOWN
4. PROVIDE SNUBBER FOR POSITIVE DISPLACEMENT PUMP INSTALLATIONS
5. SST = TYPE 316 SST

2 PRESSURE GAUGE MOUNTING
SCALE: NONE

3 AIR RELEASE/VACUUM ASSEMBLY
SCALE: NONE

TYPE V320
"2" NPT (SST)
PROCESS PIPE

TOP MOUNTED

5 POLYMER FEED SYSTEM FLOW DIAGRAM
SCALE: NONE

INSTALL OWNER-FURNISHED 1 1/2" BACKFLOW PREVENTER

FIELD ORDER # 27

GREENWOOD LAKES D-502(23)

BOYLE ENGINEERING CORPORATION
320 East South Street Orlando, FL 32801
FL ENGINEERING BUS. NO. 2005
407-425-1100

SEMINOLE COUNTY
FLORIDA'S NATURAL CHOICE

VICTOR J. GODLEWSKI JR., PE
EXP. DATE 02/28/09
22182.00 / 22141.00
BOYLE

SEMINOLE COUNTY
GREENWOOD LAKES WRF DEWATERING IMPROVEMENTS
PROCESS DETAILS
D-502
SHEET 23
OF 38 SHEETS



To: Allen Bigelow

Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773

Telephone No. 407-323-5396
Fax No. 407-665-2055

Date: Monday, July 28, 2008

From: Jeffrey Holst, Project Engineer

Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #031rev1 for RFI #127

Florida Design Contractors proposes to provide and install handrail and toe board bracket modifications as requested by the Owner.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$936.29~~ 1936

Please find attached for your information and use:

- Cost Proposal Summary Sheet #031
- RFI #127
- Supplier quote

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.



FLORIDA DESIGN CONTRACTORS
1326 S. Killian Drive
Lake Park, FL 33403
Civil & Environmental Contractors

COST PROPOSAL

NO. : 031rev1

PROJECT NAME: Yankee Lake WRF Phase I Improvements

CIP #195201, WBS #10303004, CC-2098-07/DRR

LOCATION: Seminole County, FL

DATE: 08/13/08

OWNER: Seminole County

DRAWING NO.:

ENGINEER: Boyle Engineering

SPEC. SECTION:

REFERENCE TIME & MATERIAL: REQUEST FOR PROPOS. x
DESCRIPTION: Furnish and install handrail offset brackets as required per RFI #127. Sales tax included in pricing below.

PRICING INFORMATION

1. DIRECT LABOR

1.A GENERAL LABOR:

SKILL/TRADE	MAN-HOURS	RATE	COST
Welder		MH \$ 70.00	\$ -
Unskilled	4	MH \$ 40.00	\$ 160.00
Skilled		MH \$ 45.00	\$ -
Operator		MH \$ 49.00	\$ -
Foreman	4	MH \$ 55.00	\$ 220.00
Superintendent	1	MH \$ 85.00	\$ 85.00
Project Engineer		MH \$ 90.00	\$ -
Project Manager	2	MH \$ 110.00	\$ 220.00
Vice President		MH \$ 135.00	\$ -
Time Increase		DAYS \$ -	\$ -

1.B FIELD ENGINEERING:

1.C DAILY GENERAL CONDITIONS

OVERHEAD & PROFIT	SUBTOTAL (1)	\$ 885.00
	Punchlist 1.5% Labor	\$ 10.28
	15%	\$ 104.29
	TOTAL (1)	\$ 799.57

2. MATERIALS AND EQUIPMENT

2.A EQUIPMENT:

DESCRIPTION	WEEKS	UNIT PRICE	COST
Crane Truck		\$3,000.00	\$ -
Excavator		\$2,300.00	\$ -
Loader		\$2,000.00	\$ -
Dewatering		\$1,300.00	\$ -
Backhoe		\$1,500.00	\$ -
Scissor Lift		\$1,200.00	\$ -

2.B MATERIAL

MATERIAL	UNITS NOTED	COST
Equipment Fuel	87.51 Traveled Equipment Cost	\$ -
Small tools / Consumables	29.5 Labor Cost	\$ 13.70
GRI Bracket #159	4 EA	\$ 12.78
GRI Bracket #261	4 EA	\$ 4.26
Shipping	LS	\$ 25.00

2.C DIRECT COSTS:

OVERHEAD & PROFIT	SUBTOTAL (2)	\$ 106.86
	15%	\$ 16.03
	TOTAL (2)	\$ 122.89

3. SUBCONTRACTORS

DESCRIPTION OF WORK

COST

OVERHEAD & PROFIT

ADDITIONAL INSURANCE (.55%) AND BONDING (.95%) COSTS:

SUBTOTAL (3)	\$ -
5%	\$ -
TOTAL (3)	\$ -
TOTAL (1)+(2)+(3)	\$ 922.46
1.5%	\$ 13.84
GRAND TOTAL	\$ 936.29

By: _____
Engineer (Authorized Signature)

By: _____
Owner (Authorized Signature)

By: _____
Florida Design Contractors, Inc.

Date: _____

Date: _____

Date: _____

936.30



SEMINOLE COUNTY ENVIRONMENTAL SERVICES CAPITAL IMPROVEMENT PROGRAM REQUEST FOR INFORMATION - CONSTRUCTION

RFI Number	127 (revised response)
Project Name	Yankee Lake / Greenwood Lakes Re-Rate
Contractor	Florida Design Contractors
CIP Number	195201
WBS Number	10303004
Date Submitted	05/21/08
Prepared By	Allen Bigelow
Sheet Number	GWLD-101
Specification	05520

DATE STAMP - Received by Program Document

Description of Request

1. In RFI #95, it was requested that the handrail at Greenwood Lakes be modified so that it stopped 2 feet short of the west side of the Andritz Control Panel and to install safety chain from that point to a post at the NW corner. The Owner would prefer not to have safety chain in this location. There are a couple of options. Please indicate which is preferred.

a) Deflect the handrail out using spacers so that the end of the handrail is further off the stringers, which allows the door to open further.

b) Install a section of removable handrail (there is a 2 foot section on the site) instead of the safety chain.

Forwarded By: Allen Bigelow

Title: Construction Manager

Date of Forwarding: May 21, 2008

Response to Request

Revised Response

Attached, please see the details from GRI for offsetting the handrail and toe board on the affected side of the walkway only. Confirm distance offset provided will allow the door to clear before proceeding. Both parts called out in the attached drawings are available from GRI with no delay.

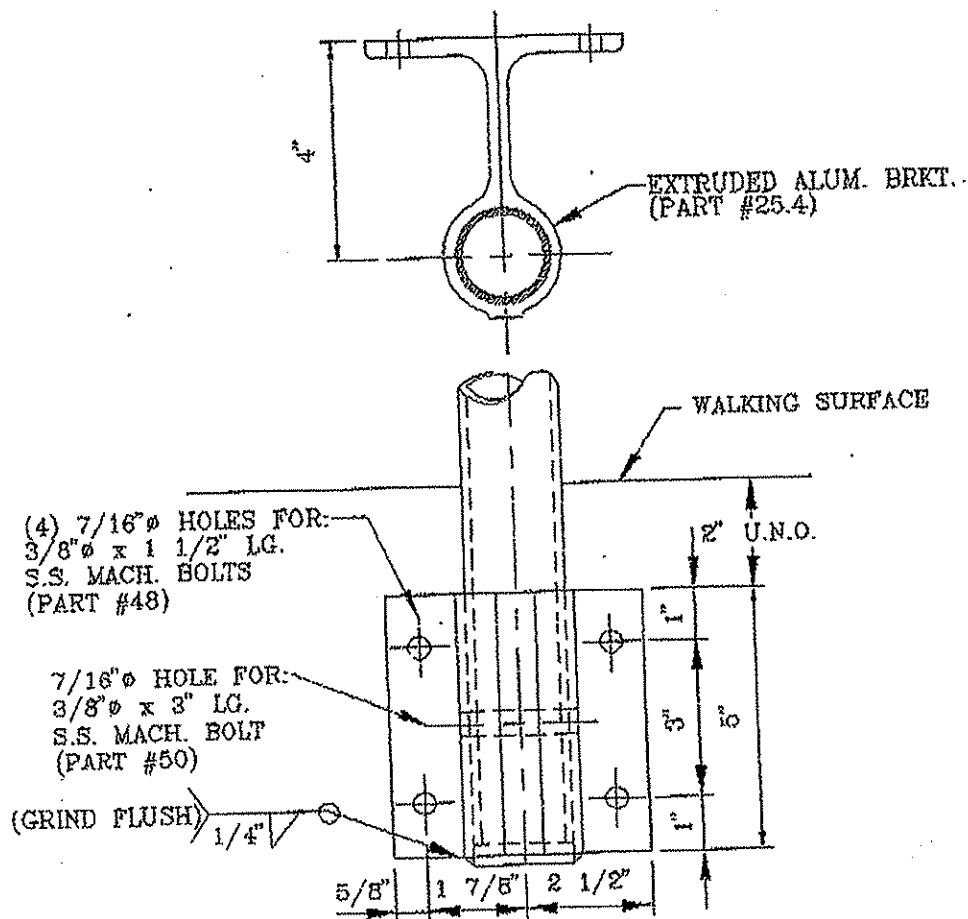
Responded By: Daniel S. Augusti

Title: Construction Manager

Date of Response: June 17, 2008

Date Returned to Contractor: June 17, 2008

Returned By: Allen Bigelow



REMOV. EXT. SIDE MT. BRACKET

159

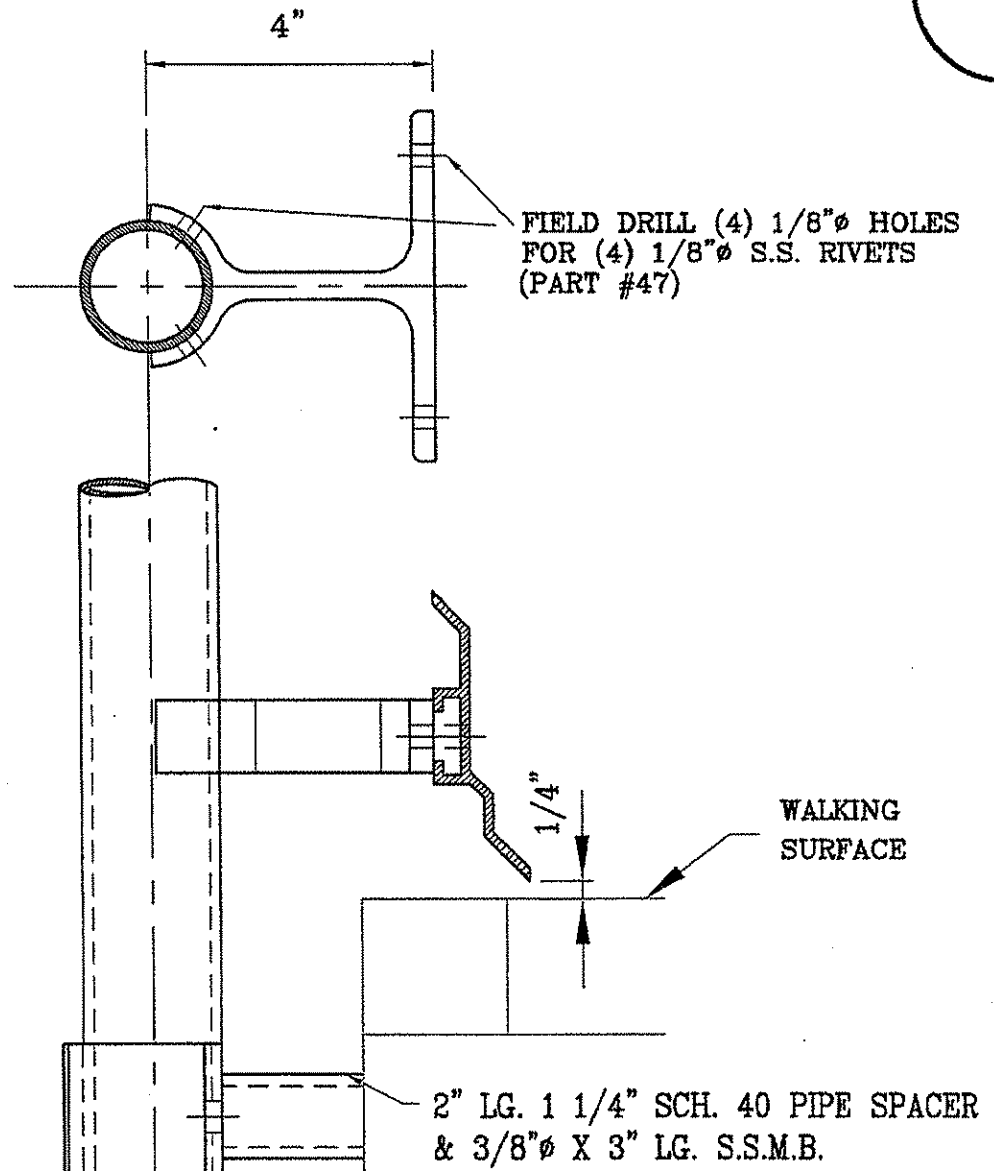
Golden Railings Inc.

15611 W. 6th. Ave.

Golden, Co. 80401-5051

Ph. 303-279-5807

Fax 303-279-8429



"Z" TOE BOARD

W/ SIDE MT. BRKT. SPACERS

261

GOLDEN RAILINGS, INC.

720 Corporate Cir. "J"
Golden, Co. 80401-5626

PH: (303)-279-5807

FAX: (303)-279-6214

E-Mail: ENG@GOLDRAIL.COM

GOLDEN RAILINGS, INC.

720 CORPORATE CIRCLE UNIT J

GOLDEN, CO 80401-5626

PHONE: 303-279-5807

EMAIL: SALES@GOLDRAIL.COM

FAX: 303-279-6214

OFFICE HOURS: 7:00AM - 4:00PM MON. - THURS. 7:00AM - 11:00AM FRI.

MISCELLANEOUS ESTIMATE

G.R.I. #7561

Date: 7/22/08

To: Florida Design

Attn: Jeff

Subject: Misc. Mechanical Aluminum Handrail Parts [Lake Park, FL]

1-1/2" Sch. 40 6005-T5 Pipe

Arch. Class 1 Clear Satin Anodized, .7 MIL

*SALES TAX
6.6%*

4 ea	Removable Side Mount Bracket	@	\$ 12.00	ea	\$	48.00
4 ea	"Z" Toe Board Side Mount Bracket Spacer	@	\$ 4.00	ea	\$	16.00

Sub-Total \$ 64.00

Revised Shipping

UPS Ground \$ 25.00 ✓

Total \$ 89.00

Terms: G.R.I. To Release Upon Payment

Thank you,
Golden Railing Sales Team
Rich Kane and Russ Mazurik



To: Allen Bigelow

Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773

Telephone No. 407-323-5396
Fax No. 407-665-2055

Date: Saturday, August 16, 2008

From: Jeffrey Holst, Project Engineer

Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #032 for Field Order #029Rev

Florida Design Contractors proposes to remove vertical flange by flange spools between the 90 bends and flexible chutes and to furnish and install flange by plain end spool with Megaflanges in the horizontal portion of the cake sludge discharge piping (the flanged spools that are removed will be cut and re-used).

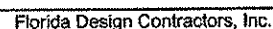
By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$2,416.38~~ ⁺ 2416

Please find attached for your information and use:

- Cost Proposal Summary Sheet #032
- FO #029Rev
- Supplier quote

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.





FIELD ORDER – YANKEE LAKE / GREENWOOD LAKES RE-RATE

CIP 195201 WBS 10303004 CC-2098-07/DRR

TO CONTRACTOR: Florida Design Construction FIELD ORDER NO: 029 Revised
PROJECT: YL / GWL Re-Rate PROJECT NO: 361846.03
OWNER: Seminole County Environmental Services
ENGINEER: Boyle Engineering

The following minor changes in the work have been ordered and authorized:

Description of Changes:

Greenwood Lakes – Drawing S-502 (15) and D-301 (21)

1. Remove 24" long vertical spool pieces on the five Cake Sludge drop pipes. Install the flexible hoses directly to the 90° bends.
2. Install 12" long horizontal spool pieces on the five Cake Sludge drop pipes. It is acceptable to use the items removed in item #1 for materials along with mega-flanges.

Reason for Changes:

1. To allow more clearance between the truck trailer and the pipes
2. To better center the drop pipes to the truck trailers

Reference Drawing sheets and section(s) or detail(s):

D-301 (21)

Reference Specification section(s)/paragraph(s):

The intent of this Field Order is to authorize minor variations to the Contract Documents not involving a change in Contract Price or Contract Times and which are compatible with the design concept of the completed Project. This Field Order is binding upon OWNER and also on CONTRACTOR who will perform the work promptly. If OWNER or CONTRACTOR believes an adjustment to the Contract Price or Contract Times is necessary, the party may make a claim therefore in accordance with the General Conditions.

Issued by Engineer:

By: [Signature]
Authorized Representative

Date: 7/30/08

Contractor Receipt Acknowledgement:

By: [Signature]

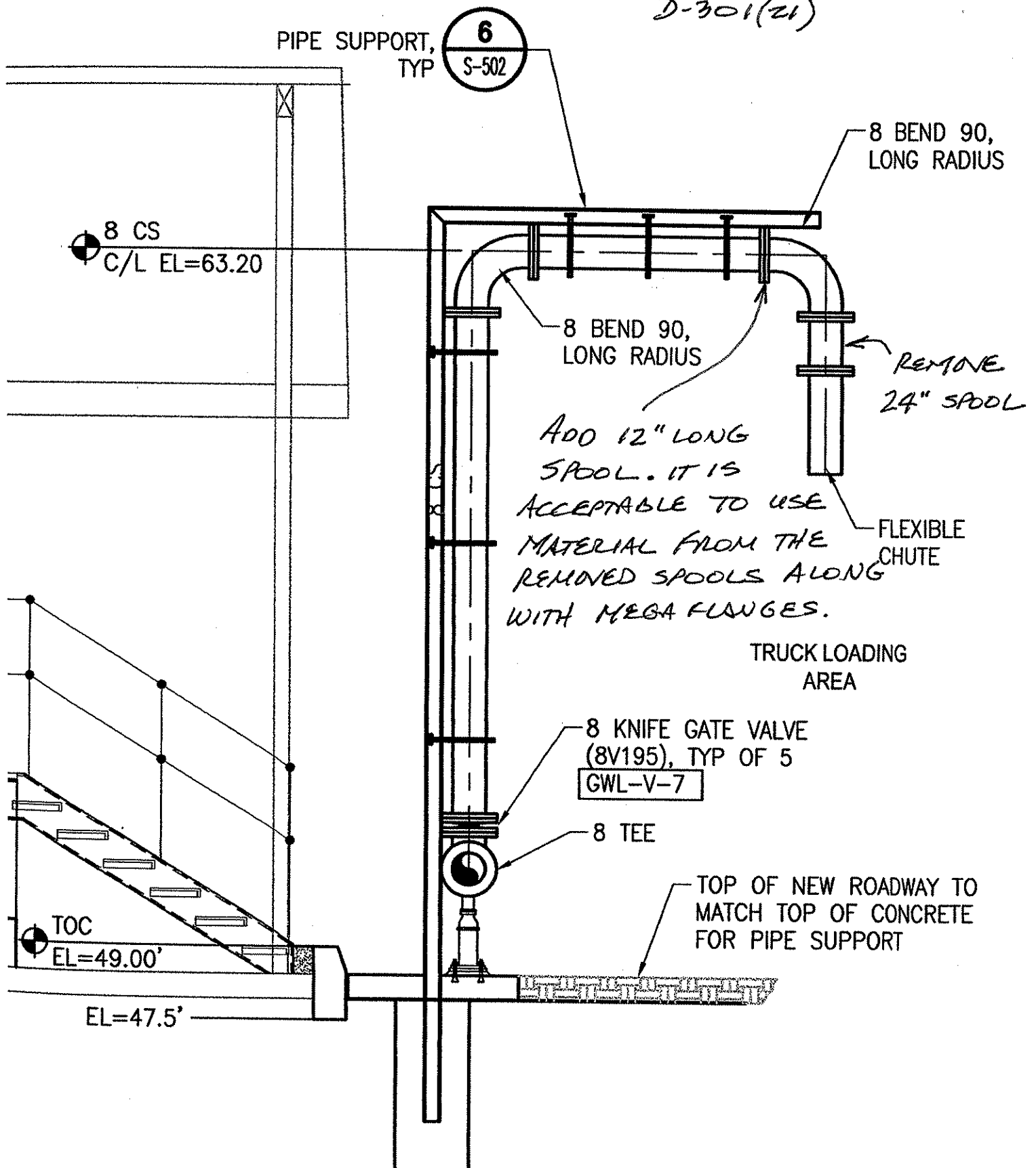
Title: 8/09/08

Date: V.P.

Copy:

- | | | |
|---------------|-------------------|---------------------------------|
| 1. Owner | 3. Dean Garcia | 5. Boyle |
| 2. Field File | 4. Florida Design | 6. CH2M HILL – Document Control |

FIELD ORDER #29 REVISED
GREENWOOD LAKES
D-301(21)



Greg Williams

From: Smith, George [HDS] [George.Smith2@hdsupply.com]
Sent: Wednesday, August 13, 2008 5:16 PM
To: Greg Williams
Subject: RE: Megaflange

Greg,

The last few times we sold them to you, we billed them at \$ 135.00 each.

They should probably be \$142.50-- based on replacement cost with standard electrogalvanized bolts.

Pricing for SS bolting is Price on Application.

Does that give you enough?

George M. Smith
Account Manager

1101 West 17th Street
Riviera Beach, FL 33404
Phone 561-848-4396 Fax 561-845-7267 Cell 561-329-8925



CONFIDENTIALITY NOTICE:

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From: Greg Williams [mailto:gwilliams@floridadesigncontractors.com]
Sent: Wednesday, August 13, 2008 5:09 PM
To: Smith, George [HDS]
Subject:

What's the cost for a 8" Mega Flange?

8/13/2008



To: Allen Bigelow

Company: CH2M Hill

Address: 510 West Lake Mary Blvd
Sanford, Florida 32773

Telephone No. 407-323-5396

Fax No. 407-665-2055

Date: Thursday, September 4, 2008

From: Jeffrey Holst, Project Engineer

Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #033 for Field Order #033

Florida Design Contractors proposes to furnish and install angle and all-thread additions to existing cake sludge discharge pipe supports at Greenwood Lakes.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$5,815.67~~ + 5816

Please find attached for your information and use:

- Cost Proposal Summary Sheet #033
- FO #033
- Supplier quotes

At this time, Florida Design Contractors is requesting **2-day time extension** for the Greenwood Lakes project for work and administration associated with this scope change. In the event that the additional work extends the project past the original contract time,

1326 South Killian Drive • Lake Park, Florida 33403 • (561) 845-1233 • Fax: (561) 848-5992

State Certified Contractor • License No. CG-C040304

Florida Design will submit a claim for general conditions cost per each day associated with the extension.

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.



1726 South Killian Drive • Lake Park, Florida 33403 • (561) 845-1233 • Fax: (561) 848-5992

State Certified Contractor • License No. CG-C040304

**FLORIDA DESIGN CONTRACTORS**1326 S. Killian Drive
Lake Park, FL 33403
Civil & Environmental Contractors**COST PROPOSAL**

NO.: 033rev1

PROJECT NAME: Yankee Lake WRF Phase I Improvements

CIF #195201, WBS #10303004, CC-2098-07/DRR

LOCATION: Seminole County, FL

DATE: 09/04/08

OWNER: Seminole County

DRAWING NO.:

ENGINEER: Boyle Engineering

SPEC. SECTION:

REFERENCE TIME & MATERIAL: REQUEST FOR PROPOS. **x**

DESCRIPTION: Make modifications to cake sludge pipe supports as required per Field Order #033. All prices below include sales tax.

PRICING INFORMATION**1. DIRECT LABOR****1.A GENERAL LABOR:**

SKILL/TRADE	MAN-HOURS		RATE	COST
Welder	16	MH	\$ 70.00	\$ 1,120.00
Unskilled		MH	\$ 40.00	\$ -
Skilled		MH	\$ 45.00	\$ -
Operator		MH	\$ 49.00	\$ -
Foreman	16	MH	\$ 55.00	\$ 880.00
Superintendent	4	MH	\$ 85.00	\$ 340.00
Project Engineer		MH	\$ 90.00	\$ -
Project Manager	2	MH	\$ 110.00	\$ 220.00
Vice President		MH	\$ 135.00	\$ -
Time Increase	2	DAYS	\$ -	\$ -

1.B FIELD ENGINEERING:**1.C DAILY GENERAL CONDITIONS**

OVERHEAD & PROFIT		SUBTOTAL (1)	\$ 2,560.00
		Punchlist 1.5% Labor	\$ 38.40
		15%	\$ 389.76
		TOTAL (1)	\$ 2,988.16

2. MATERIALS AND EQUIPMENT**2.A EQUIPMENT:**

DESCRIPTION	WEEKS	UNIT PRICE	COST
Crane Truck		\$3,000.00	\$ -
Excavator		\$2,300.00	\$ -
Loader		\$2,000.00	\$ -
Dewatering		\$1,300.00	\$ -
Backhoe		\$1,500.00	\$ -
Scissor Lift	0.4	\$1,200.00	\$ 480.00

2.B MATERIAL

DESCRIPTION	UNITS	UNIT PRICE	COST
Equipment Fuel	0.2	Equipment Cost	\$ 38.40
Small Tools/Consumables	2.0	2.0 Labor Cost	\$ 51.20
5/8" Galv All-Thread @ 12'	10	EA \$ 26.50	\$ 265.00
5/8" Turnbuckle	12	EA \$ 10.55	\$ 126.56
3"x3"x1/2" Steel Angle	2	EA \$ 199.28	\$ 398.56
4"x4"x1/2" Steel Angle	2	EA \$ 271.36	\$ 542.72
5/8" Galv Nuts		LS	\$ 25.00

2.C DIRECT COSTS:

OVERHEAD & PROFIT		SUBTOTAL (2)	\$ 1,927.44
		15%	\$ 289.12
		TOTAL (2)	\$ 2,216.56

3. SUBCONTRACTORS**DESCRIPTION OF WORK****COST**

Southland Painting Corp. Paint angle and touch-up existing supports at welds \$ 500.00

OVERHEAD & PROFIT		SUBTOTAL (3)	\$ 500.00
		5%	\$ 25.00
		TOTAL (3)	\$ 525.00
		TOTAL (1)+(2)+(3)	\$ 5,729.72
		1.5%	\$ 85.95
ADDITIONAL INSURANCE (.55%) AND BONDING (.95%) COSTS:		GRAND TOTAL	\$ 5,815.67

By: _____
Engineer (Authorized Signature)By: _____
Owner (Authorized Signature)By: _____
Florida Design Contractors, Inc.

Date: _____

Date: _____



FIELD ORDER - YANKEE LAKE / GREENWOOD LAKES RE-RATE

CIP 195201 WBS 10303004 CC-2098-07/DRR

TO CONTRACTOR: Florida Design Construction FIELD ORDER NO: 033
PROJECT: YL / GWL Re-Rate PROJECT NO: 361846.03
OWNER: Seminole County Environmental Services
ENGINEER: Boyle Engineering

The following minor changes in the work have been ordered and authorized:

Description of Changes:

Greenwood Lakes Cake Sludge Pipe Supports

1. Make modifications to the Cake Sludge pipe supports per the attached drawing.

Reason for Changes:

1. To resist unforeseen uplifts

Reference Drawing sheets and section(s) or detail(s):

S-503 (15A)

Reference Specification section(s)/paragraph(s):

The intent of this Field Order is to authorize minor variations to the Contract Documents not involving a change in Contract Price or Contract Times and which are compatible with the design concept of the completed Project. This Field Order is binding upon OWNER and also on CONTRACTOR who will perform the work promptly. If OWNER or CONTRACTOR believes an adjustment to the Contract Price or Contract Times is necessary, the party may make a claim therefore in accordance with the General Conditions.

Issued by Engineer:

By: [Signature]
Authorized Representative

Date: 8/12/08

Contractor Receipt Acknowledgement:

By: [Signature]

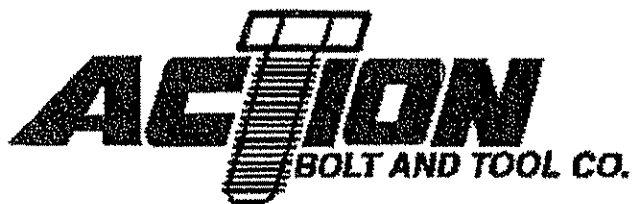
Title: V.P.

Date: 8/12/08

Copy:

- | | | |
|---------------|-------------------|---------------------------------|
| 1. Owner | 3. Dean Garcia | 5. Boyle |
| 2. Field File | 4. Florida Design | 6. CH2M HILL - Document Control |

[illegible]

**QUOTATION**

QUOTE DATE	QUOTE NUMBER
09/03/08	32946

PLEASE REFER TO THIS QUOTE
NUMBER WHEN ORDERING.

TO:

FLORIDA DESIGN IRRIGATION
ATTN: MIKE
1326 S KILLIAN DR
LAKE PARK FL 33403PHONE: 561-845-1233
FAX: NO FAX #

ENTERED BY: DD

F.O.B. Terms
SHIPPING POINT NET 30 DAYSEffective Our Representative
DAVID DODD6% SALES
TAX

Qty	Part Number/Description	UM	Price	Ext Price
1	62C14400RDDOG 5/8-11 X 12 FT ALL THREAD ROD STEEL H. D. G.	PC	25.00	
2	/QUOTE-SPECIAL-EA 5/8 X 6 EYE & EYE TURNBUCKLE STK- TAMPA (2 DAYS)	EA	9.95	

TOTAL:

A-1 Industrial Supply Inc

1801 Hippelane Road
Laudon FL 33462
(561) 588-0902 Palm Beach (954) 421-9311 Broward
Fax (561) 588-1077

TO: Florida Design Construction
ATTN: Mike

9/3/08

QUOTE

QTY

PRICE

1	3 x 3 x 1/2 HR Angle 20'	\$ 188.00
1	4 x 4 x 1/2 HR Angle 20'	256.00
1	1/2 x 2 HR Flat 20'	

TOTAL

\$

6% SALES
TAX

Prices good for 10 days from date of quote.

Rose Gehring

Rose Gehring - Pres.



Main Office - 2635 NW 4th Street • Fort Lauderdale, FL 33311 • 954-748-2770 • Fax 954-748-2901
Central Florida Regional Office - 1789 Canova Street SE • Palm Bay, Florida 32909 • 321-724-5722
Georgia Office - 3609 B Frederica Road • St. Simons Island, GA 31522 • Phone 912-634-0550



To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Thursday, August 28, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #034 for Field Order #034

Florida Design Contractors proposes to install the drain trench under the Greenwood Lakes Belt Filter Press as directed per FO #034.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$7,184.07~~ \$ 7184

Please find attached for your information and use:

- Cost Proposal Summary Sheet #034
- FO #029Rev
- Supplier quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.

1326 South Killian Drive • Lake Park, Florida 33403 • (561) 845-1233 • Fax: (561) 848-5992

**FLORIDA DESIGN CONTRACTORS**1326 S. Killian Drive
Lake Park, FL 33403
Civil & Environmental Contractors**COST PROPOSAL**

NO. : 034

PROJECT NAME: Yankee Lake WRF Phase I Improvements

CIP #195201, WBS #10303004, CC-2098-07/DRR

LOCATION: Seminole County, FL

DATE: 08/27/08

OWNER: Seminole County

DRAWING NO.:

ENGINEER: Boyle Engineering

SPEC. SECTION:

REFERENCE TIME & MATERIAL: REQUEST FOR PROPOS. **x**

DESCRIPTION: Install a drain trench under the Belt Filter Press 12" wide. Slope to existing 8" floor drain. Apply expoy grout inside trench to provide a smooth bottom. Recoat the trench with applicable painting system.

Note: Cutting of the concrete trench has been quoted on a hourly basis. FDC has estimated 24 hours of cutting.

PRICING INFORMATION**1. DIRECT LABOR****1.A GENERAL LABOR:****1.B FIELD ENGINEERING:****1.C DAILY GENERAL CONDITIONS**

SKILL/TRADE	MAN-HOURS	RATE	COST
Welder		MH \$ 70.00	\$ -
Unskilled		MH \$ 40.00	\$ -
Skilled	16	MH \$ 45.00	720.00
Operator		MH \$ 49.00	\$ -
Foreman	8	MH \$ 55.00	440.00
Superintendent		MH \$ 85.00	\$ -
Project Engineer		MH \$ 90.00	\$ -
Project Manager	2	MH \$ 110.00	220.00
Vice President		MH \$ 135.00	\$ -
Time Increase	4	DAYS \$ -	\$ -

OVERHEAD & PROFIT	SUBTOTAL (1)	\$ 1,380.00
	Punchlist 1.5% Labor	\$ 20.70
	15%	\$ 210.11
	TOTAL (1)	\$ 1,610.81

2. MATERIALS AND EQUIPMENT**2.A EQUIPMENT:****2.B MATERIAL****2.C DIRECT COSTS:**

DESCRIPTION	WEEKS	UNIT PRICE	COST
Crane Truck		\$3,000.00	\$ -
Excavator		\$2,300.00	\$ -
Loader		\$2,000.00	\$ -
Dewatering		\$1,300.00	\$ -
Backhoe		\$1,500.00	\$ -
Scissor Lift		\$1,200.00	\$ -
MATERIAL		UNITS NOTED	
Equipment Fuel	8%	Fuel & Equipment Cost	\$ -
Small Tools / Consumables	2%	Labor Cost	\$ 27.60
53# Grout Aggregate	5	BAG \$ 21.20	\$ 106.00
Epoxy mix	1	EA \$ 351.92	\$ 351.92
OVERHEAD & PROFIT		SUBTOTAL (2)	\$ 485.52
		15%	\$ 72.83
		TOTAL (2)	\$ 558.35

3. SUBCONTRACTORS**DESCRIPTION OF WORK****COST**

Speey Concrete	Cut drain trench	\$ 3,750.00
Southland	Apply coatings to new trench	\$ 925.00

OVERHEAD & PROFIT	SUBTOTAL (3)	\$	4,675.00
	5%	\$	233.75
	TOTAL (3)	\$	4,908.75
	TOTAL (1)+(2)+(3)	\$	7,077.90
ADDITIONAL INSURANCE (.55%) AND BONDING (.95%) COSTS:	1.5%	\$	106.17
	GRAND TOTAL	\$	7,184.07

3749.75

4675.00

233.75

4908.75

7077.65

106.16

7183.81

By: _____
Engineer (Authorized Signature)By: _____
Owner (Authorized Signature)By: _____
Florida Design Contractors, Inc.

Date: _____

Date: _____

Date: _____



1000 Charles Street
Longwood, FL 32750
(407) 786-3766
Toll Free: (800) 556-5153
Fax: (407) 786-3769
www.speedycon.com

CUSTOMER # CF40300 (A)COMPANY NAME Florida Design ContractorsSTREET ADDRESS 1326 S. Killian Dr.CITY, STATE, ZIP Lake Park, Florida 33403

PERSON REQUESTING BID <u>Randy Garvan</u>		OFFICE PHONE <u>561-845-1222</u>
DATE QUOTED <u>8-25-08</u>	QUOTED BY <u>MARK 25</u>	TOT. HRS.

☒ QUOTATION☐ JOB

JOB ADDRESS <u>701 Greenway</u>		CITY <u>LK MARK</u>
JOB NAME <u>WWT</u>		MAP PAGE
CROSS STREET/DIRECTION		
JOB PHONE <u>561</u> <u>718-2224</u>	P.O. NUMBER	JOB NUMBER
JOB ORDERED BY <u>Randy</u>	DATE ORDERED	ORDER TAKEN BY
WORK LAID OUT PRIOR TO SPEEDY ARRIVAL <input checked="" type="checkbox"/>	GENERAL ON JOB <u>SAME</u>	
WHERE TO MEET		
JOB START DATE	DAY & TIME	SEE ON JOB

"OSHA WARNING"

To ensure compliance with the OSHA Standards for the Construction Industry governing Electrical Hazards, specifically 1926.416(a)(1),(2),(3) and to safeguard employees involved in construction work our policy is that all electrical circuits within our areas of work will be deenergized and LOTO's performed or utility locates provided by the customer before any work begins. At the job site, the operator shall ascertain by inquiry and direct observation that the customer has deenergized the electrical power circuit and performed LOTO before any work is performed-Or-Utility Locates have been performed by a licensed service and customer can provide confirmation. These explicit agreements will be acknowledged by the customer signature prior to any work being scheduled.

HOURS	QUANTITY	DESCRIPTION OF WORK	UNIT	PRICE
	22'	H/S - Chip 1' x 0" to 2" deep track in concrete S.O.G cut + chip down		
		22 x 156.25 = 3437.50		
		TRAVEL 100.00		
		3537.50		
		6% TAX		
		3749.75		
			\$156.25 per Hour	

STANDARD EXCLUSIONS: The following items are being excluded from the scope of work being offered by Speedy Concrete Cutting Inc. and is solely the responsibility of the contractor. 1. Locating and marking all utilities within, adjacent to, or affected by this work. 2. Capping or relocating any utilities as required to perform this work to prevent damage. This includes but is not limited to buried utilities within 8" of the bottom of the slab. 3. Protection and cleaning of the structure and adjacent surfaces due to water, slurry, and dust. 4. Barricading and safeguarding openings. 5. Shoring and Bracing of areas to remain. 6. Protection of Pedestrians and Pedestrian traffic areas. 7. Furnishing or Maintaining any type of MOT requirements. 8. Layout to define sawcutting or limits of demolition. **STANDARD CONDITION:** One Mobilization is included. The work will be performed during normal weekday hours. Once on site, unforeseen delays to our work will be charged at a rate of \$125.00 per hour per man. **TERMS OF PAYMENT:** Are net 30 days with no retainage. Current Insurance Coverages are acceptable. No Bonding is included. No consideration extended for controlled Insurance Programs. If action or suit brought by Speedy Concrete Cutting to collect any amount due or owing under this bill, customer agrees to pay all costs of collection including reasonable attorney's fees plus interest at the rate of 1.5% per month (18% per annum). Prices subject to change if conditions on job vary from quotation.

NO YES		NO YES		ACKNOWLEDGED BY _____	
WATER AVAILABLE <input type="checkbox"/> <input type="checkbox"/> _____ Distance	INSIDE WORK <input type="checkbox"/> <input type="checkbox"/>	SIGNATURE _____			
LEC. AVAILABLE <input type="checkbox"/> <input type="checkbox"/> _____ Distance	VACUUM REQUIRED <input type="checkbox"/> <input type="checkbox"/>				
HEIGHT OF WORK _____	MAN REQUIRED <input type="checkbox"/> <input type="checkbox"/>				
	CUSTOMER <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> CUSTOMER			
	SPD <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> SPD			
	LADDER _____ FT	SPD REPRESENTATIVE <u>Mark</u>			
RUCK TO WORK AREA _____ Distance	SCAFFOLD SPD \ RENT \ CUSTOMER	SIGNATURE _____			



FIELD ORDER – YANKEE LAKE / GREENWOOD LAKES RE-RATE

CIP 195201 WBS 10303004 CC-2098-07/DRR

TO CONTRACTOR: Florida Design Construction FIELD ORDER NO: 034
PROJECT: YL / GWL Re-Rate PROJECT NO: 361846.03
OWNER: Seminole County Environmental Services
ENGINEER: Boyle Engineering

The following minor changes in the work have been ordered and authorized:

Description of Changes:

Greenwood Lakes Drain Trench

1. Install a drain trench under the Belt Filter Press per the attached drawing.

Reason for Changes:

1. To allow for better drainage in the containment area

Reference Drawing sheets and section(s) or detail(s):

GWL S-101 (12)

Reference Specification section(s)/paragraph(s):

The intent of this Field Order is to authorize minor variations to the Contract Documents not involving a change in Contract Price or Contract Times and which are compatible with the design concept of the completed Project. This Field Order is binding upon OWNER and also on CONTRACTOR who will perform the work promptly. If OWNER or CONTRACTOR believes an adjustment to the Contract Price or Contract Times is necessary, the party may make a claim therefore in accordance with the General Conditions.

Issued by Engineer:

By: [Signature]
Authorized Representative

Date: 8/2/08

Contractor Receipt Acknowledgement:

By: [Signature]

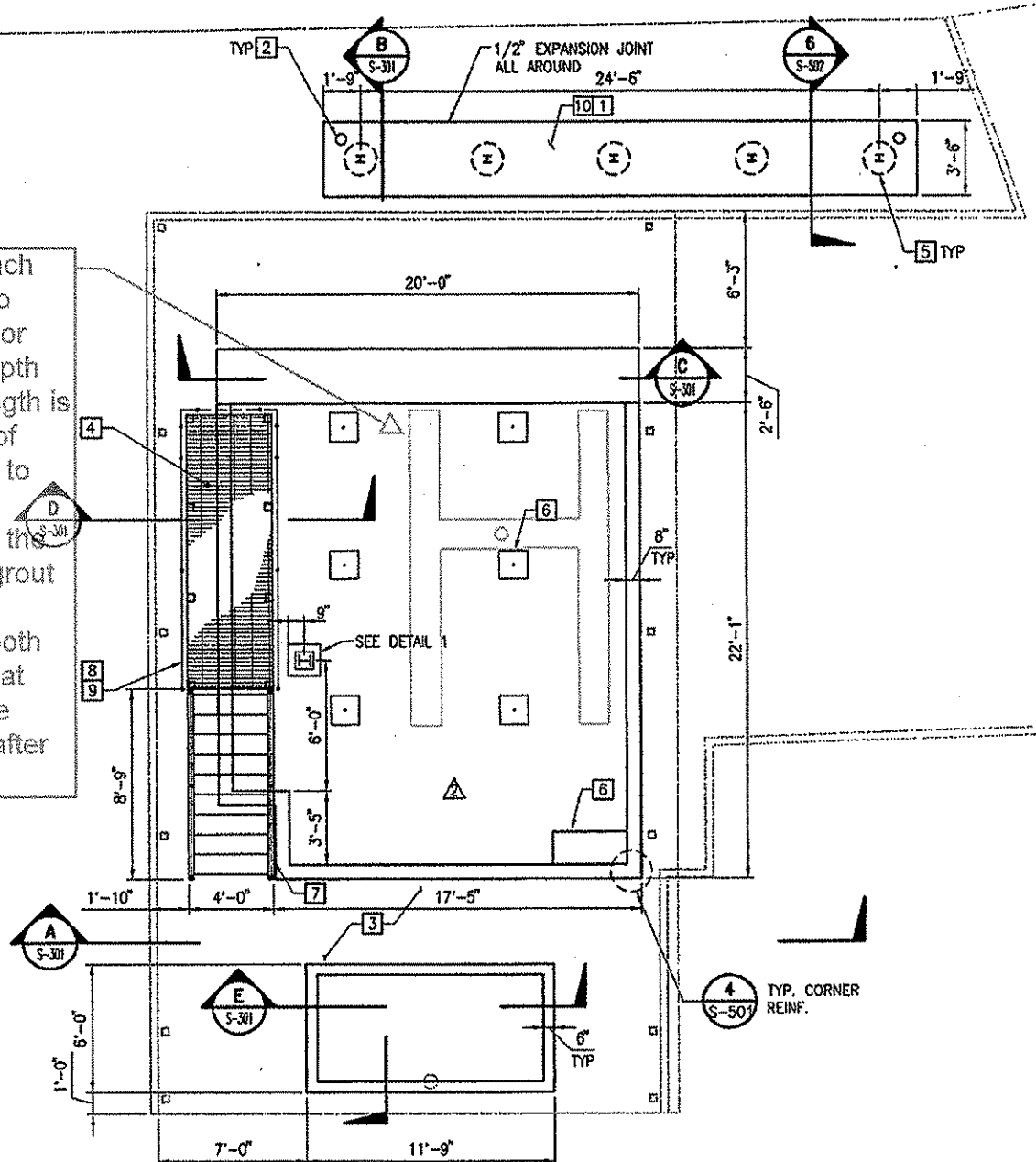
Title: V.P.

Date: 8/12/08

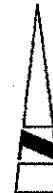
Copy:

- | | | |
|---------------|-------------------|---------------------------------|
| 1. Owner | 3. Dean Garcia | 5. Boyle |
| 2. Field File | 4. Florida Design | 6. CH2M HILL – Document Control |

12" Wide Trench Drain. Slope to existing 8" Floor Drain. Max depth 2" Aprox. Length is 16' CL is CL of press. Portion to the right encompasses the drain. Epoxy grout to be used to provide a smooth bottom. Recoat with applicable paint system after construction.



MODIFICATIONS PLAN
SCALE: 1/4"=1'-0"



2007	CONFORMED DRAWINGS	VJG	VERIFY SCALES	DESIGNED BY	LA	PROJECT ENGINEER	KHALID MOTIWALA, PE
			BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWN BY	CGR	REC NUMBER	50633
				CHECKED BY	KM	EXP DATE	02/28/09
2/2008	REVISED BFP CONTAINMENT AREA	VJG	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DATE	Mar-07	PROJECT NUMBER	
10/05/07	OWNER FURNISHED EQUIPMENT COORDINATION	VJG				CADD STANDARDS	
							BOYLE

BOYL
ENGINEERING CORPORATION
320 East South Street Orlando, FL
ENGINEERING BUS. NO. 407-425-1100



1000 Charles Street
Longwood, FL 32750
Phone: 407-786-3766 Fax: 407-786-3769

FACSIMILE TRANSMITTAL

To: RANDY GAYAN From: MARK HART
Fax: 561-848-5992 Date: 8-25-08
Phone: 561-718-2224 Pages: 1
Re: _____ CC: _____
☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply

Notes:



To Ensure Compliance with the OSHA Standards for the Construction Industry Governing Electrical Hazards, Specifically 1926.416(a)(1),(2),(3), and to Safeguard Employees Involved in Construction Work, Our Policy is that All Electrical Circuits within Our Areas of Work Will be De-Energized and L.O.T.O.'s Performed -OR- Utility Locates Provided by the Customer Before Any Work Begins.

At the Job Site, the Operator Shall Ascertain by Inquiry and Direct Observation that the Customer has De-Energized the Electrical Power Circuit and Performed L.O.T.O. Before Any Work is Performed -OR- Utility Locates have been Performed by a Licensed Service and Customer can Provide Confirmation. These Explicit Agreements will be Acknowledged by the Customer's Signature Prior to Any Work being Scheduled.

Utility Locate Companies

Ground Hound Detection Services
South Florida: 561-737-9800
Central & North Florida: 407-658-1030

Sunshine State One Call of Florida
800-638-4097

Earth View Precise Utility Locating
239-434-5200



5202 Shadowlawn Ave. Tampa, Florida 33610
Phone (813) 626-6125 Fax (813) 626-8806 Watts (800) 886-6125
E-Mail sales@eppersonco.com <http://www.eppersonco.com>

COMPANY :FLORIDA DESIGN
NAME :JEFF
FAX # :561-848-5992

6 1/2 tax

TERMS :CREDIT CARD OR ACCOUNT UPON APPROVAL
FOB :S/P
DELIVERY :2 WEEKS

THIS QUOTE GOOD FOR 30 DAYS
THANK YOU FOR THE OPPORTUNITY TO QUOTE ON YOUR REQUIREMENTS

LOUIS PAREE

Aug. 28. 2008 11:43AM



Industrial Painting - Sandblasting
Waterproofing - Cementitious Coatings

No. 3087 P. 1



Florida Design Contractors
1326 South Killian Drive
Lake Park, FL 33403

August 30, 2008

S.P.C. Job # 2774
Q # 11384

Attention: Mr. Greg Williams, Vice President

RE: YANKEE LAKE WRF PHASE 1 IMPROVEMENTS
GREENWOOD LAKES WRF BIOSOLIDS DEWATERING IMPROVEMENTS
SEMINOLE COUNTY

SUBJ: Revised trench Drain at BFP Containment area

Dear Mr. Williams

In reference to the aforementioned project, we hereby quote you our price as follows:

Our price does not include:

Surface coating with epoxy grout

Our price does include:

Painting as per section 09900 and 09980.

GREENWOOD LAKES WRF CHANGE TO COMPLETED CONTAINMENT: \$ 925.00 ✓

Hoping to be favored with your order, I remain

Sincerely Yours


Southland Painting Corp.

Cliff Dykes (321) 960-3310

Vice President

Q11384 Modification to Containment at Greenwood yankee lakephase 1 improvements seminole county

Main Office - 2635 NW. 4th Street • Fort Lauderdale, FL 33311 • 954-748-2770 • Fax 954-748-2901
Central Florida Regional Office - 1709 Canova Street SE • Palm Bay, Florida 32909 • 321-724-6722
Georgia Office - 3809 B Frederica Road • St. Simons Island, GA 31522 • Phone 912-634-0550



To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Monday, September 22, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #036 for RFI #167

Florida Design Contractors proposes to furnish and install material necessary for MOVs at Yankee Lake per the response to RFI #167

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$10,185.66~~ \$ 10,186

Please find attached for your information and use:

- Cost Proposal Summary Sheet #036
- RFI #167 Response
- Supplier quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.





SEMINOLE COUNTY ENVIRONMENTAL SERVICES CAPITAL IMPROVEMENT PROGRAM REQUEST FOR INFORMATION - CONSTRUCTION

RFI Number	167
Project Name	Yankee Lake / Greenwood Lakes Re-Rate
Contractor	Florida Design Contractors
CIP Number	195201
WBS Number	10303004
Date Submitted	8/25/08
Prepared By	Allen Bigelow
Sheet Number	
Specification	15119

DATE STAMP - Received by Program Document

Description of Request

1. In the submittal review for 15119-047, one comment requested an additional 2/C, #18TSP for each motor actuated valve. The comment also indicated that there was a future RPC forthcoming. These comments were written on 10/3/2007 and to date, no RPC has been written. Please provide a scope of work dictating what wires are needed for what valves. There are eight motor actuated valves on the site that only open and close, and four flow control valves that are constantly modulating.
2. If two analog wires are now required for 20-V-1G, were you initially intending a spare analog wire run from 155-PLC-1 to the Equalization Tank Flowmeter area? Conduit 2017 shows five analog wires (1-FIT, 2-LIT, 1FCV, 1-Spare?).
3. In the recent Monthly Progress Meeting, the Owner requested that all of the motor actuated valves provide an "IN AUTO" signal to the PLC. Only the six valves at the Sludge Tanks show the "IN AUTO" signal in the P&ID. Do the other six valves need to have the "IN AUTO" signal added?

Forwarded By: Allen Bigelow

Title: Construction Manager

Date of Forwarding: August 25, 2008

Response to Request

See attached word document and pdf files for I-002 (87), I-003 (88), and I-004 (89) for responses.

Responded By: Brenda Keenan

Title: Associate Engineer

Date of Response: 8/27/2008

Date Returned to Contractor: August 28, 2008

Returned By: Allen Bigelow

Response to RFI#167

Q1. In the submittal review for 15119-047, one comment requested an additional 2/C, #18TSP for each motor actuated valve. The comment also indicated that there was a future RPC forthcoming. These comments were written on 10/3/2007 and to date, no RPC has been written. Please provide a scope of work dictating what wires are needed for what valves. There are eight motor actuated valves on the site that only open and close, and four flow control valves that are constantly modulating.

RE1. Each modulating motor actuated valve requires 2 analog wires, one control and one feedback. These valves (70-V-1A, 70-V-2A, 70-V-3A, and 20-V-1G) require an additional 2/C, #18TSP (analog wire) except for valve 20-V-1G (see response to item #2 below for explanation). This would change the number of 2/C, #18 TSP wires from one to two in conduits 7006 and 7008. It would also change the number of 2/C, #18TSP wires from two to four in conduit 7007. Reprogram the PLC to accept analog instead of discrete signals for the VALVE OPEN and VALVE CLOSE commands.

On the open/close valves (105-V-7A, 105-V-7B, 110-V-1A, 110-V-2A, 110-V-1B, 110-V-2B, 110-V-1D, 110-V-2D), install a discrete input card in the REXA actuator control panel.

Q2. If two analog wires are now required for 20-V-1G, were you initially intending a spare analog wire run from 155-PLC-1 to the Equalization Tank Flowmeter area? Conduit 2017 shows five analog wires (1-FIT, 2-LIT, 1FCV, 1-Spare?).

RE2. Initially a spare analog wire was being provided to FCV 20-V-1G. Conduit 2017 should contain five (5) analog wires for the following uses, 1-FIT, 2-LIT, and 2-FCV. Because there are already 2 analog wires available for the FCV (1-for control, and 1-for feedback) an additional analog wire is not required.

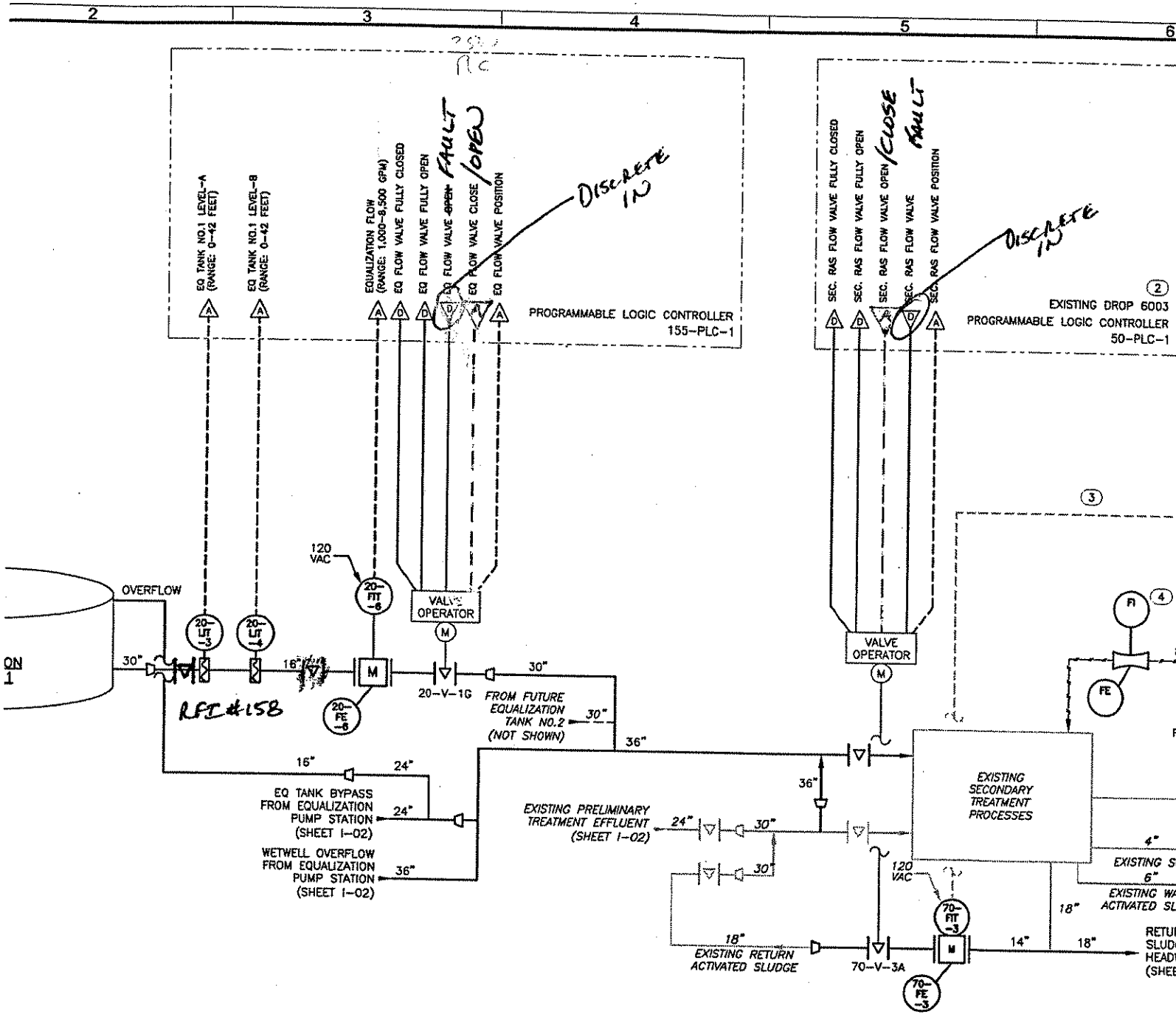
Q3. In the recent Monthly Progress Meeting, the Owner requested that all of the motor actuated valves provide an "IN AUTO" signal to the PLC. Only the six valves at the Sludge Tanks show the "IN AUTO" signal in the P&ID. Do the other six valves need to have the "IN AUTO" signal added?

RE3. It is Boyle's understanding that the REXA actuators do not provide the discrete contacts to provide an "IN AUTO" signal as requested by the Owner. The REXA actuator is provided with a common "trouble" indication. If the valve is placed into manual mode, the "trouble" indication would be sent to the PLC. The operator would then need to check on the actuator to identify the cause.

The Owner would prefer a FAULT signal from each valve. Add a FAULT digital in signal to 70-V-1A, 70-V-2A, 70-V-3A, 20-V-1G, 110-V-1A, 110-V-2A, 110-V-1B, 110-V-2B, 110-V-1D, 110-V-2D. Delete the IN AUTO digital in signal from 110-V-1A, 110-V-2A, 110-V-1B, 110-V-2B, 110-V-1D, 110-V-2D.

Reprogram the PLC to accept a FAULT digital in signal for 70-V-1A, 70-V-2A, 70-V-3A, 20-V-1G. Change the PLC program from IN REMOTE to FAULT for 110-V-1A, 110-V-2A, 110-V-1B, 110-V-2B, 110-V-1D, 110-V-2D.

Change the conduit callout for conduits 11021 and 11023 from [6 #14, 1 #14G] to [12 #14, 1 #14G].



EQUALIZATION

NOTES:

1. ONLY EXISTING EQUIPMENT AND PIPING THAT IS PERTINENT TO THE WORK UNDER THIS CONTRACT IS SHOWN. OTHER EXISTING EQUIPMENT AND PIPING OMITTED FOR CLARITY.
2. NEW WIRING AND I/O FOR EXISTING PLC. REFER TO SPECIFICATION SECTION 13320 FOR ADDITIONAL DETAILS.
3. EXISTING WIRING AND I/O FOR EXISTING PLC.
4. FLOW ELEMENT AND INDICATOR TYPICAL OF 12 (FOUR EXISTING), ONE FOR EACH DIFFUSER DROP LEG. ALL EIGHT NEW METERS ARE 8-INCH WITH A FLOW RANGE OF 470-1,200 SCFM.

SECONDARY TREATMENT

I-002 (88)
RFI #167

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

LMR

APPR

DESIGNED BY

JRN

DRAWN BY

JRN

CHECKED BY

LMR

DATE

MARCH 2007

PROJECT ENGINEER

ULLIAN M. REYES, PE

REC NUMBER

50780

EXP DATE

2/28/09

PROJECT NUMBER

22141.00

CADD STANDARDS

EDA



Electrical Design Associates

2020 EAST ROBINSON STREET, ORLANDO, FLORIDA 32803
PHONE: (407) 895-8300 FAX: (407) 895-8411
CDA No. 00038079
ULLIAN M. REYES, P.E.
Florida P.E. No. 50780



SEMINOLE COUNTY
FLORIDA'S NATURAL CHOICE

Run Date 9/08/08

HD SUPPLY WATERWORKS, LTD.

FLORIDA DESIGN CONTRACTORS **
STOCK-WEST PALM
1326 S KILLIAN DR
LAKE PARK FL 33403
Telephone: 561-845-1233
Fax: 561-848-5992

HDSWW - W PALM BEACH FL
1101 W 17th Street
Riviera Beach FL 33404
Telephone: 561-848-4396
Fax: 561-845-7267

Attention: JEFF HOLST

9/08/08 Bid ID: 1864707 YANKEE LAKE RFI #167

Page 1

Line	Quantity	Sell Per	Description	Net Price	Extended Price
20	8.	EA	K97951-NA MANUAL CONTROL BOARD	585.00	4,680.00 ✓

DELIVERY: 2 WKS A.R.O.

Subtotal:

Tax:
Bid Total:

[REDACTED]

[REDACTED]

[REDACTED]

6.5%
SALES
TAX

To: Florida Design Contractors Inc.

Attn: Jeff Holst

Ref: Change Order Referencing RFI#167

Date: September 18, 2008

Quotation No: 8010

Gentlemen:

Thank you for the opportunity to offer the following proposal on the referenced project.
This proposal is based on a customer requested change order specified in RFI-167 Motor Operated Valves
for the following:

One (1) Lot engineering services to change the programming in PLC 155-CP-1 to modify the control of
four control valves from discrete control to analog control with required field rewiring to provide
power for the analog control

ENGINEERING SERVICES

- 1) Engineering submittal revisions including:
 - a) Digital system hardware and software
 - b) Analog loop drawings
 - c) Control panel layouts and point to point wiring diagrams
 - d) Operation and maintenance manuals
- 2) On-Site Software configuration and programming to include:
 - a) PLC software re-configuration and programming modifications to 155-CP-1
 - b) HMI Screen Modifications to Add Fault Indication
 - c) Programming Engineer onsite 1 – trip with 5 - 8-hour days on site including travel
 - d) Calibration of Field Instruments and Loop Testing
 - e) Final Instrument and Terminations and Testing
 - f) Installation Assistance
 - g) Additional work, if required, to be billed at RCS standard rate schedule
- 3) Testing to include:
 - a) Functional Acceptance Test (FAT)
 - b) Operational Readiness Test (ORT)
 - c) Site Acceptance Test (SAT)
- 4) Warranty services for a period of 1 year.

Price.....\$ **3849.00** Total Net

Pricing and Delivery:

Quoted prices are firm based on the following:
60 days to receive a firm purchase order.

We do not include any applicable sales taxes or fees.

Our Terms and Conditions are attached and made an integral part of this proposal.

We do not include installation, terminations, labor or supervision, wiring, cable, conduit, brackets, hangers, anchor bolts, piping fittings or valves except as herein defined.

Start-up assistance and training is included as detailed above. Additional time, if required due to incompleteness of installation, lack of operating fluids or media, or other delays related to construction or operation beyond our control will be invoiced based on current rates in effect.

Submittals and O&M manuals include (1) set of paper documents and ten (10) copies furnished on Compact Disc (CD) to be furnished after installation and start-up.

Thank you for your consideration of Revere Control Systems. We look forward to working with you on this project.

Very truly yours,

Fred Weaver

(Fred Weaver)
Revere Control Systems Inc.





To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Thursday, October 16, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #037 for Field Order #036

Florida Design Contractors proposes to relocate the Washwater booster pump and 3/4" air line per field order #036.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$2,848.40~~ \$ 2848

Please find attached for your information and use:

- Cost Proposal Summary Sheet #037
- Field Order #036
- Supplier/Subcontractor quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.

**FLORIDA DESIGN CONTRACTORS**1326 S. Killian Drive
Lake Park, FL 33403
Civil & Environmental Contractors**COST PROPOSAL**

NO.: 037

PROJECT NAME: Yankee Lake WRF Phase I Improvements

CIP #195201, WBS #10303004, CC-2098-07/DRR

LOCATION: Seminole County, FL

DATE: 10/06/08

OWNER: Seminole County

DRAWING NO.:

ENGINEER: Boyle Engineering

SPEC. SECTION:

REFERENCE TIME & MATERIAL: REQUEST FOR PROPOS ☒

DESCRIPTION: Relocate washwater booster pump and 3/4" air line as required per FO #036.

PRICING INFORMATION**1. DIRECT LABOR****1.A GENERAL LABOR:****1.B FIELD ENGINEERING:****1.C DAILY GENERAL CONDITIONS**

SKILL/TRADE	MAN-HOURS	RATE	COST
Welder		MH \$ 70.00	\$ -
Unskilled		MH \$ 40.00	\$ -
Skilled	4	MH \$ 45.00	\$ 180.00
Operator		MH \$ 49.00	\$ -
Foreman		MH \$ 55.00	\$ -
Superintendent	1	MH \$ 85.00	\$ 85.00
Project Engineer		MH \$ 90.00	\$ -
Project Manager	2	MH \$ 110.00	\$ 220.00
Vice President		MH \$ 135.00	\$ -
Time Increase		DAYS \$ -	\$ -
SUBTOTAL (1)			\$ 485.00
Punchlist 1.5% Labor			\$ 7.28
15%			\$ 73.84
TOTAL (1)			\$ 566.12

2. MATERIALS AND EQUIPMENT**2.A EQUIPMENT:****2.B MATERIAL****2.C DIRECT COSTS:**

DESCRIPTION	WEEKS	UNIT PRICE	COST
Crane Truck		\$3,000.00	\$ -
Excavator		\$2,300.00	\$ -
Loader		\$2,000.00	\$ -
Dewatering		\$1,300.00	\$ -
Backhoe		\$1,500.00	\$ -
Scissor Lift		\$1,200.00	\$ -
MATERIAL		UNITS NOTED	
Equipment Fuel		5% Fuel/Equipment Cost	\$ -
Small Tools/Consumables		2% Labor Cost	\$ 9.70
3/4" SSTL Tubing	40	FT \$ 18.64	\$ 745.50
3/4" SSTL 90 Bend	4	EA \$ 70.02	\$ 280.10
2" PVC Pipe	20	FT \$ 1.80	\$ 36.00
2" PVC 90 Bend	2	EA \$ 1.68	\$ 3.37
8" DIP Blind Flange w/3/4" Tap	1	EA \$ 202.16	\$ 202.16
Shipping Costs		LS	\$ 100.00
SUBTOTAL (2)			\$ 1,376.82
15%			\$ 206.52
TOTAL (2)			\$ 1,583.34

3. SUBCONTRACTORS**DESCRIPTION OF WORK****COST**

Cyber Electric of Central Florida	Relocate pump conduit	\$ 625.57
SUBTOTAL (3)		\$ 625.57
5%		\$ 31.28
TOTAL (3)		\$ 656.85
TOTAL (1)+(2)+(3)		\$ 2,806.30
1.5%		\$ 42.09
GRAND TOTAL		\$ 2,848.40

OVERHEAD & PROFIT**ADDITIONAL INSURANCE (.55%) AND BONDING (.95%) COSTS**By: _____
Engineer (Authorized Signature)By: _____
Owner (Authorized Signature)By: _____
Florida Design Contractors, Inc.

Date: _____

Date: _____



FIELD ORDER - YANKEE LAKE / GREENWOOD LAKES RE-RATE

CIP 195201 WBS 10303004 CC-2098-07/DRR

TO CONTRACTOR: Florida Design Construction FIELD ORDER NO: 036
PROJECT: YL / GWL Re-Rate PROJECT NO: 361846.03
OWNER: Seminole County Environmental Services
ENGINEER: Boyle Engineering

The following minor changes in the work have been ordered and authorized:

Description of Changes:

Yankee Lake Dewatering Building

1. Relocate the Washwater Booster Pump (115-P-5) per the marked up drawing D-115-102 (51). Conduit 11502 will need to be relocated to provide power and controls to the pump.
2. Install the 3/4" air line so that it enters the 8" Cake Sludge pipe at the blind flange at the south end of the header. Install the required 3/4" V320 valve shown on I-005 near this location.

Reason for Changes:

1. To provide a better location for the pump and prevent future conflicts with the second press.
2. To allow the Owner to flush the Cake Sludge header more effectively.

Reference Drawing sheets and section(s) or detail(s):

YL D-115-102 (51)

Reference Specification section(s)/paragraph(s):

The intent of this Field Order is to authorize minor variations to the Contract Documents not involving a change in Contract Price or Contract Times and which are compatible with the design concept of the completed Project. This Field Order is binding upon OWNER and also on CONTRACTOR who will perform the work promptly. If OWNER or CONTRACTOR believes an adjustment to the Contract Price or Contract Times is necessary, the party may make a claim therefore in accordance with the General Conditions.

Issued by Engineer:

By: [Signature]

Authorized Representative

Date: 9/14/08

Contractor Receipt Acknowledgement:

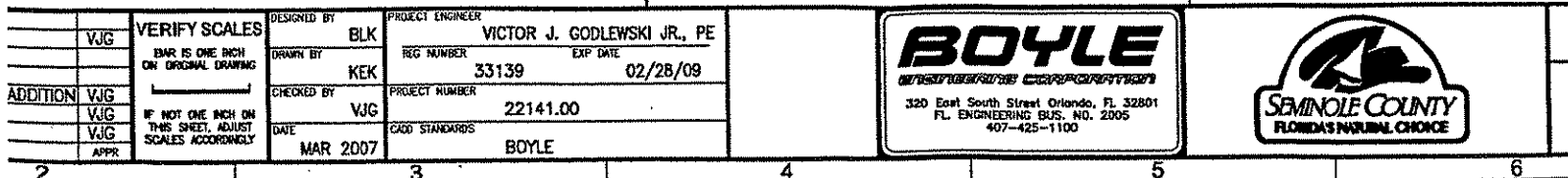
By: [Signature]

Title: 9/15/08

Date: V.P.

Copy:

- | | | |
|---------------|-------------------|---------------------------------|
| 1. Owner | 3. Dean Garcia | 5. Boyle |
| 2. Field File | 4. Florida Design | 6. CH2M HILL - Document Control |



QUOTE

Cyber Electric of Central Fl. Inc.

3384 N.W. 18th Street
Okeechobee, FL 34972
Tel: 863-467-2127
Fax: 863-467-8367
E-mail: cyberelectric@embarqmail.com

Reference Change Order # 006
File # 3600
Job date: Oct. 16, 2008
Job status: Pending
Customer Ref. # F.O. # 36
Resource:
Page number: 1

Billing address:

Site address:

Florida Design Contractors

Attn: Jeff Holst
1326 South Killian Dr.
Lake Park, FL 33403

Yankee Lake
1326 South Killian Dr.
Lake Park, FL 33403

Work Description

[PROPOSAL INCLUDES]

1) Extention of conduit # 11502 to new location of Wash Water Booster Pump (115-P-5) as per F.O. # 036

[SUMMARY]

F.O. # 36 cost.....\$ 543.97
Overhead/Profit @ 15%.....\$ 81.60
Total.....\$ 625.57

Item Description	Qty	Price	U	Mat \$
1" CONDUIT - RMC - ALUM	30	395.47	C	118.64
1" TYPE LB STD CONDUIT BODY W/ CVR & GSKT - RMC - ALUM	3	20.75	E	62.25
1" 2-PC STRUT CLAMP - RMC - ALUM	5	162.15	C	8.11
#12 THHN BLACK	120	209.38	M	25.13
1 5/8x 1 5/8x xxG CHANNEL - S/S	5	1,700.00	C	85.00

Total

\$299.12 299.12

Summary

Total (\$)

Subtotal Material 299.12 299.12

Journeyman

244.85

Adjustment

(@ 15.000 %)

81.60

Total

\$625.57

Terms

Our price is valid for 10 days and subject to changes any time thereafter. ANY changes from the plans that were used for estimating the cost of said project will only be performed upon a signed and received changeorder to our office. (467 - 8367 Fax) The work will be performed @ T&M rates of \$ 60.00/ per man hour and 20 % on materials. We require 30% upon acceptance of the proposal / 50% upon completion of rough construction / The final 20% is due upon completion of our quoted work. Due to the rising cost of our materials we reserve the right to adjust our quoted materials to meet the current cost at the time of purchase. Which will then be added to the total quoted cost for the project.

Rep. Name:

Greg Morrison

Date:

10-16-08

Signature:

I hereby propose the above described work.

Client Name:

Date:

Signature:

I hereby acknowledge the satisfactory completion of the above described work.

Date 3/13/08

HD SUPPLY WATERWORKS, LTD.

FLORIDA DESIGN CONTRACTORS **
STOCK-WEST PALM
1326 S KILLIAN DR
LAKE PARK FL 33403
Telephone: 561-845-1233
Fax: 561-848-5992

HDSWW - W PALM BEACH FL
1101 W 17th Street
Riviera Beach FL 33404
Telephone: 561-848-4396
Fax: 561-845-7267

6.5% SALES
TAX

3/12/08 Bid ID: 1681820 PUMP SEAL WATER PIPING 03/13/08 Page 1

Line	Quantity	Sell Per	Description	Net Price	Extended Price
10	20	FT	SS-T4-S-035-20-S 1/4"X.035" TUBING 316SS SEAMLESS 20' LGTH		
30	20	FT	SS-T8-S-049-20-S 1/4"X.049" 1/2" TUBING 316SS SEAMLESS 20' LGTH		
50	20	FT	SS-T12-S-065-20-S 3/4"X.065" TUBING 316SS SEAMLESS 20' LGTH	17.50	
70	2	EA	SS-810-1-4 1/2" T X 1/4" MNPT 316SS MALE CONNECTOR		
90	1	EA	SS-810-2-8 1/2" T X 1/2" MNPT 90 DEG MALE ELBOW 316SS		
110	1	EA	SS-1210-2-12 3/4" T X 3/4" MNPT 90 DEG MALE ELBOW 316SS		
220	1	EA	SS-810-9 1/2" UNION ELBOW 316SS		
240	1	EA	SS-1210-9 3/4" UNION ELBOW 316SS	65.75	

NOTE: 'T' ENDS MEAN SWAGelok.

Subtotal:

Tax:

Bid Total:

INVOICE NUMBER	INVOICE DATE	TERMS
04400188	08/27/08	NET 30
ORDER NUMBER	CUSTOMER ORDER NUMBER	SHIPPING POINT
04400150	1015	1015
ORDER DATE	SHIP DATE	SHIP VIA
08/19/08	08/26/08	COMPANY TRUCK



Industrial Plastics

Fort Lauderdale, FL 33309
954-351-0088

BILL TO: FLORIDA DESIGN CONTRACTORS
1326 SOUTH KILLIAN DRIVE
LAKE PARK, FL 33403

SHIP TO: FLORIDA DESIGN
C/O YANKEE LAKE SEWER TRMNT PL
501 YANKEE LAKE ROAD
ATTN: RANDY 561-718-2224
SANFORD, FL 32771

PLEASE REMIT TO:
HARRINGTON INDUSTRIAL
PLASTICS LLC
P.O. BOX 13346
BALTIMORE, MD 21203
(800) 326-2029 • FAX (410) 381-3985

CUSTOMER NO.	TERRITORY	FREIGHT TERMS	PAGE #	JOB NUMBER	PRODUCT NUMBER / DESCRIPTION	WHSE	ORDER QUANTITY	SHIP QUANTITY	BALANCE DUE	UNIT PRICE	AMOUNT
075456	441	CHRG INBOUND & OUTBOUND	2								
800-020		2" PIPE P/E PVC SCH80			038	380	380	0		1.69	
829-020		2" COUPLING S PVC SCH80			038	10	10	0		6.5% Sales Tax	
801-020		2" TEE S PVC SCH80			038	2	2	0			
837-249		2"x1" BUSHING SPIGXS PVC SCH80			038	3	3	0			
836-020		2" ADAPTER MPTXS PVC SCH80			038	3	3	0			
800-015		1-1/2" PIPE P/E PVC SCH80			038	80	80	0			

CONTINUED

SUBTOTAL
TAX
FREIGHT & HANDLING
TOTAL DUE

WARRANTY DISCLAIMER: Harrington Industrial Plastics LLC ("Harrington") makes no express or implied warranties, including those of merchantability or fitness for particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods in this invoice is for the sole purpose of identifying them, and does not constitute a warranty of any kind.

ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.



Industrial Plastics

Fort Lauderdale, FL 33309
954-351-0088

PLEASE REMIT TO:
HARRINGTON INDUSTRIAL
PLASTICS LLC
P.O. BOX 13346
BALTIMORE, MD. 21203
(800) 326-2029 • FAX (410) 381-3985

FLORIDA DESIGN
C/O YANKEE LAKE SEWER TRMNT PL
501 YANKEE LAKE ROAD
ATTN: RANDY 561-718-2224
SANFORD, FL 32771

SHIP TO:

FLORIDA DESIGN CONTRACTORS
1326 SOUTH KILLIAN DRIVE
LAKE PARK, FL 33403

L TO:

INVOICE NUMBER	04400268	INVOICE DATE	07/18/08	TERMS	NET 30
ORDER NUMBER	04400226	CUSTOMER ORDER NUMBER	1015	SHIP DATE	1015
ORDER DATE	07/16/08	SHIP DATE	07/18/08	COMPANY TRUCK	

INVOICE

CUSTOMER NO.		TERRITORY	FREIGHT TERMS	PAGE #		JOB NUMBER		
075456		441	CHRG INBOUND & OUTBOUND	1				
PRODUCT NUMBER / DESCRIPTION			WHSE	ORDER QUANTITY	SHIP QUANTITY	BALANCE DUE	UNIT PRICE	AMOUNT
806-005 1/2" 90 ELBOW S PVC SCH80			038	6	6	0		
836-005 1/2" ADAPTER MPTxS PVC SCH80			038	2	2	0		
800-002 1/4" PIPE P/E PVC SCH80			038	20	20	0	1.58	
806-020 2" 90 ELBOW S PVC SCH80			038	10	10	0	6.5% Sales Tax	
							SUBTOTAL	
							TAX	
							FREIGHT & HANDLING	
							TOTAL DUE	

WARRANTY DISCLAIMER: Harrington Industrial Plastics LLC ("Harrington") makes no express or implied warranties, including those of merchantability or fitness for particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods in this invoice is for the sole purpose of identifying them, and does not constitute a warranty of any kind.

ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this invoice, shall be effective without the express written consent of Harrington.

ORIGINAL INVOICE

WARRANTY DISCLAIMER: Harrington Industrial Plastics LLC ("Harrington") makes no express or implied warranties, including those of merchantability or fitness for particular purpose, with regard to goods and products not manufactured by Harrington. With regard to products manufactured by Harrington, Harrington warrants only that such products will be free of defects in material and workmanship for a period of one year from shipment date. Harrington makes no other express or implied warranties with respect to such goods. Any description of goods in this invoice is for the sole purpose of identifying them, and does not constitute a warranty of any kind.

ENTIRE AGREEMENT: The terms and conditions set forth in this invoice constitute the entire agreement between purchaser and Harrington and supersede any prior or contemporaneous representations or agreements, written or oral. No additional oral or written terms, including any attempts by purchaser to alter or modify this invoice or any other document relating to this sale, shall become a part of this agreement without the express written consent of Harrington.

ORIGINAL INVOICE

Run Date 10/06/08

HD SUPPLY WATERWORKS, LTD.

FLORIDA DESIGN CONTRACTORS **
STOCK-WEST PALM
1326 S KILLIAN DR
LAKE PARK FL 33403
Telephone: 561-845-1233
Fax: 561-848-5992

HDSWW - W PALM BEACH FL
1101 W 17th Street
Riviera Beach FL 33404
Telephone: 561-848-4396
Fax: 561-845-7267

Attention: JEFF

10/06/08 Bid ID: 1893268 8X3/4 TAPT BLIND FLANGE

Page 1

Line	Quantity	Sell Per	Description	Net Price	Extended Price
------	----------	-------------	-------------	--------------	-------------------

THANK YOU FOR THE OPPORTUNITY
TO QUOTE YOU.

60	1	EA	8X3/4 TAPT BLIND FLANGE DI	202.16	
----	---	----	----------------------------	--------	--

PRICING GOOD FOR 30 DAYS.

Subtotal:

Tax:

Bid Total:

INCLUDES
TAX



To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Tuesday, October 07, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #038 for Field Order #037

Florida Design Contractors proposes to replace the Ethernet switch in 150-PLC-1 per field order #037.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$1,271.74~~ + 1272

Please find attached for your information and use:

- Cost Proposal Summary Sheet #038
- Field Order #037
- Supplier/Subcontractor quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.



FIELD ORDER - YANKEE LAKE / GREENWOOD LAKES RE-RATE

CIP 195201 WBS 10303004 CC-2098-07/DRR

TO CONTRACTOR: Florida Design Construction FIELD ORDER NO: 037
PROJECT: YL / GWL Re-Rate PROJECT NO: 361846.03
OWNER: Seminole County Environmental Services
ENGINEER: Boyle Engineering

The following minor changes in the work have been ordered and authorized:

Description of Changes:

Yankee Lake

1. Remove the Allied Telesis Ethernet Switch from the 150-PLC-1 panel and provide and install a Cisco Catalyst 2940 Series Switch. Prior to installation, the new switch will need to be configured by Seminole County. Note: the switch provided by the County in the 155-PLC-1 panel has a stock number of WS-C2940-8TTF-S.

Reason for Changes:

1. To provide a managed network for the 150 PLC Panel.

Reference Drawing sheets and section(s) or detail(s):

Reference Specification section(s)/paragraph(s):

The intent of this Field Order is to authorize minor variations to the Contract Documents not involving a change in Contract Price or Contract Times and which are compatible with the design concept of the completed Project. This Field Order is binding upon OWNER and also on CONTRACTOR who will perform the work promptly. If OWNER or CONTRACTOR believes an adjustment to the Contract Price or Contract Times is necessary, the party may make a claim therefore in accordance with the General Conditions.

Issued by Engineer:

By: [Signature]
Authorized Representative

Date: 9/17/08

Contractor Receipt Acknowledgement:

By: [Signature]

Title: V.P.

Date: 9/29/08

Copy:

- | | | |
|---------------|-------------------|---------------------------------|
| 1. Owner | 3. Dean Garcia | 5. Boyle |
| 2. Field File | 4. Florida Design | 6. CH2M HILL - Document Control |

To: Florida Design Contractors

Date: October 3, 2008

Ref: Field Order # 037 Managed Ethernet Switch Replacement

Bid Date: 1 October

Quotation No: n/a

Gentlemen:

Thank you for the opportunity to offer the following proposal on the referenced project.

SPECIFICATION SECTIONS

Yankee Lake/Greenwood Lake – Seminole County Environmental Services Project # 361846.03

COMPUTERS, NETWORKS AND SOFTWARE

- (1) Cisco Catalyst 2940 Series (8)-Port Managed Ethernet Switch, Part No. WS-C2940-8TF-S
Includes: 100 MB/s Data transfer rate, 8 MB Flash Memory, SNMP-1, 2 and 3, RMON 1 and 2, Telnet, and HTTP Remote Management Protocols, and IEEE 802.3 compliant.
- (1) Cables and zip cords, as required.

ENGINEERING SERVICES

- 1) Engineering submittals to include:
 - a) Operation and maintenance manuals only.
- 2) Equipment Procurement.
- 3) Programming: None; Ethernet Switch will be configured by Seminole County prior to installation
- 4) Testing to include:
 - a) Unwitnessed Site Acceptance Test
- 5) Start-up and calibration on field instruments included in this scope to include:
 - a) Normal contracted startup for 150-PLC-1
 - b) Startup Services include:
 - i) Additional work, if required, to be billed at RCS standard rate schedule
- 6) Warranty services for a period of 1 year.

Price.....\$ 943.90 Total Net

Pricing and Delivery:

Quoted prices are firm based on the following:

60 days to receive a firm purchase order.

(Name)
(Date)
Page 2

10-12 weeks to prepare submittal data.
F.O.B. Shipping point with freight allowed to jobsite.

We do not include any applicable sales taxes or fees.

Our Terms and Conditions are attached and made an integral part of this proposal.

We do not include installation, terminations, labor or supervision, wiring, cable, conduit, brackets, hangers, anchor bolts, piping fittings or valves except as herein defined.

Start-up assistance and training is included as detailed above. Additional time, if required due to incompleteness of installation, lack of operating fluids or media, or other delays related to construction or operation beyond our control will be invoiced based on current rates in effect.

Thank you for your consideration of Revere Control Systems. We look forward to working with you on this project.

Very truly yours,

Cliff Fleming

Cliff Fleming
Revere Control Systems Inc.





To: Allen Bigelow

Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773

Telephone No. 407-323-5396
Fax No. 407-665-2055

Date: Thursday, October 16, 2008

From: Jeffrey Holst, Project Engineer

Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #039 for Field Order #035

Florida Design Contractors proposes to furnish and install additional lighting at the EQ pump station per field order #035.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~1,853.23~~ \$1853

Please find attached for your information and use:

- Cost Proposal Summary Sheet #039
- Field Order #035
- Supplier/Subcontractor quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.



FIELD ORDER – YANKEE LAKE / GREENWOOD LAKES RE-RATE

CIP 195201 WBS 10303004 CC-2098-07/DRR

TO CONTRACTOR: Florida Design Construction FIELD ORDER NO: 035
PROJECT: YL / GWL Re-Rate PROJECT NO: 361846.03
OWNER: Seminole County Environmental Services
ENGINEER: Boyle Engineering

The following minor changes in the work have been ordered and authorized:

Description of Changes:

Yankee Lake Equalization Pump Station

1. Install two Type D wall pack light fixtures at 12' above the concrete slab on the east wall of the Equalization Pump Station Wet Well Structure as shown in the attached sketch. Power the lights through circuit 8 of the Building 155 Light Panel, and route through the lighting contactor. Add necessary wiring to conduit 15540 to power the lights.

Reason for Change:

1. Owner Requested - To provide better lighting in the Pump Station area

Reference Drawing sheets and section(s) or detail(s):

YL E-20-101 (66)
E-603 (81)

Reference Specification section(s) or paragraph(s):

16500

The intent of this Field Order is to authorize minor variations to the Contract Documents not involving a change in Contract Price or Contract Times and which are compatible with the design concept of the completed Project. This Field Order is binding upon OWNER and also on CONTRACTOR who will perform the work promptly. If OWNER or CONTRACTOR believes an adjustment to the Contract Price or Contract Times is necessary, the party may make a claim therefore in accordance with the General Conditions.

Issued by Engineer:

By: *Dominic J. August*
Authorized Representative
Date: 9/8/08

Contractor Receipt Acknowledgement:

By: *[Signature]*
Title: *V.P.*
Date: 9/15/08

Copy:

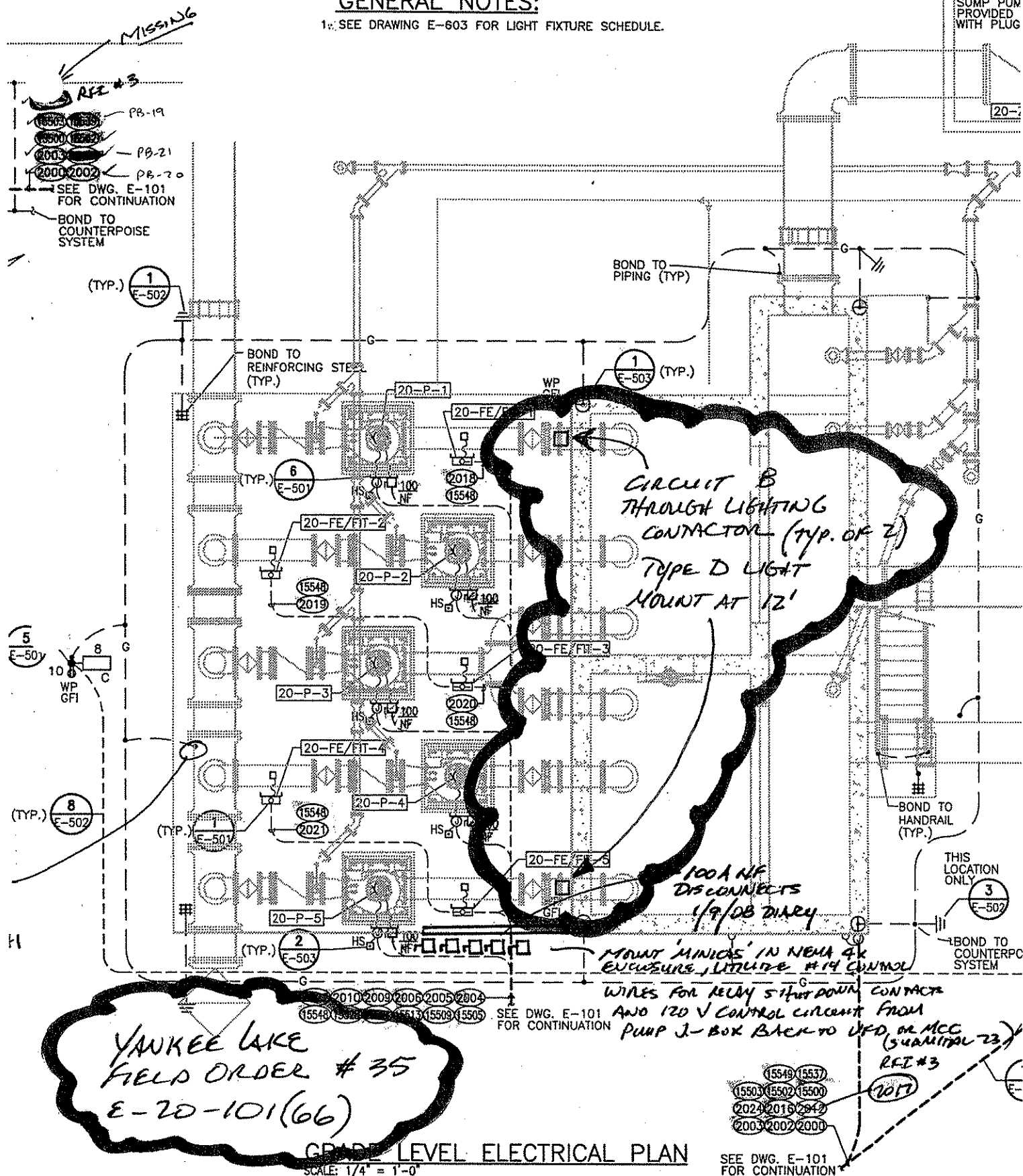
1. Owner
2. Field File

3. Dean Garcia
4. Florida Design

5. Boyle
6. CH2M HILL – Document Control

GENERAL NOTES:

1. SEE DRAWING E-603 FOR LIGHT FIXTURE SCHEDULE.

SUMP PUM
PROVIDED
WITH PLUG

ELLISH, PE

EXP DATE
02/28/09

0

BOYLE
ENGINEERING CORPORATION320 East South Street Orlando, FL 32801
FL ENGINEERING BUS. NO. 2005
407-425-1100SEMINOLE COUNTY
YANKEE LAKE WRF PHASE 1 IMP

EQUALIZATION PUMP STATION ELEC

QUOTE

Cyber Electric of Central Fl. Inc.

3384 N.W. 18th Street
Okeechobee, FL 34972
Tel: 863-467-2127
Fax: 863-467-8367
E-mail: cybarelectric@embarqmail.com

Reference
File # 3582
Job date: Sep. 29, 2008
Job status: Pending
Customer Ref. # F.O. # 35
Resource:
Page number: 1

Billing address:

Site address:

Florida Design Contractors, Inc.

Attn: Jeff Holst
1326 South Killian Dr.
Lake Park, Fl. 33403

Yankee Lake Phase I improvements

Work Description

[PROPOSAL INCLUDES]

1) Furnish and install (2) Type D wall packs and connections to circuit 8 of Building 155 Lighting Panel, and route through lighting contactor, as per field order #

[SUMMARY]

F.O. # 035 cost.....\$ 1,295.23
Sub Total.....\$ 1,295.23
Overhead/Profit @ 15%.....\$ 194.28
Total.....\$ 1,489.51

Item Description	Qty	Price	U	Mat \$
1" CONDUIT - RMC - ALUM	30	385.47	C	118.64
1" CONN THRD HUB INSUL - RMC - ALUM	2	530.67	C	10.61
1" TYPE T STD CONDUIT BODY W/ CVR & GSKT - RMC - ALUM	1	24.29	E	24.29
1" 1-H STRAP - RMC - ALUM	5	231.74	C	11.59
#12 THHN BLACK	420	209.38	M	87.94
FD 1G BOX 2x 1" HUB - TOP+BTM	1	27.64	E	27.64
1G BLANK COVER W/ GASKET - CI	1	11.25	E	11.25
100W HPS WALL PACK	2	312.00	E	624.00
Total				\$915.96

Summary

	Total (\$)
Subtotal Material	915.96
Journeyman	379.27
Adjustment (@ 15.000 %)	194.28
Total	\$1,489.51

Terms

Our price is valid for 10 days and subject to changes any time thereafter. ANY changes from the plans that were used for estimating the cost of said project will only be performed upon a signed and received changeorder to our office. (467 - 8367 Fax) The work will be performed @ T&M rates of \$ 60.00/ per man hour and 20 % on materials. We require 30% upon acceptance of the proposal / 50% upon completion of rough construction / The final 20% is due upon completion of our quoted work. Due to the rising cost of our materials we reserve the right to adjust our quoted materials to meet the current cost at the time of purchase. Which will then be added to the total quoted cost for the project.

Rep. Name: Greg Morrison
Date: 10-16-08
Signature: [Signature]
I hereby propose the above described work.

Client Name: _____
Date: _____
Signature: _____
I hereby acknowledge the satisfactory completion of the above described work.



To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Monday, November 3, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #040rev1 for GWL PE Bolt Caps

Florida Design Contractors proposes not to furnish and install polyethylene caps for nuts and bolts at Greenwood Lakes.

By mutual acceptance of a lump sum agreement, we propose the above for a deduction of:

~~\$1,810.92~~

(~~\$~~ 1,811)

Please find attached for your information and use:

- Cost Proposal Summary Sheet #040rev1
- Supplier/Subcontractor quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.

By: Florida Design Contractors, Inc.



RFQ Number	003	
Project Name	Yankee Lake / Greenwood Lakes Re-Rate	
Contractor	Florida Design Contractors	
CIP Number	195201	
WBS Number	10303004	
Date Submitted	11/3/08	
Prepared By	Allen Bigelow	Date : 11/3/2008
Sheet Number	GWL	Date Required: 11/10/2008
Specification	15050, 2.K	

1. Description of Request for Quotation

The Contractor has provided a credit quotation of \$1,811 for the deletion of all of the polyethylene caps required for the exposed Greenwood Lakes piping.

2. Reason for Request

Contractor Requested since all of the nuts and bolts are painted and are stainless steel.

3. Approval of Request

Owner:

Date:

11/12/08

Engineer:

Date:

11/3/08

To be completed by Contractor:

4. Total cost of modification (attach detailed breakdown) \$ \$1,811

5. Will a modification to the contract time be required? ☐ Yes ☒ No

If so, trade(s)

No. of personnel

Duration (calendar days)

6. Attachment identification: (list) FDC Cover Sheet, Cost Proposal #40 (2 pages)

7. Quotation is in effect until: (date)

8. Approval of Quotation

Vela, Alex [HDS - NWW]

From: Vela, Alex [HDS - NWW]
Sent: Wednesday, May 21, 2008 1:33 PM
To: 'Greg Williams'; Jeff Holst
Subject: RE: Yankee Lake Bolt Protector Caps

From: Greg Williams [mailto:gwilliams@floridadesigncontractors.com]
Sent: Wednesday, May 21, 2008 1:27 PM
To: Vela, Alex [HDS - NWW]; Jeff Holst
Subject: RE: Yankee Lake Bolt Protector Caps

Thank you.

Greg Williams

From: Vela, Alex [HDS - NWW] [mailto:Alex.Vela@hdsupply.com]
Sent: Wednesday, May 21, 2008 12:39 PM
To: Jeff Holst; Greg Williams
Subject: Yankee Lake Bolt Protector Caps

As requested:

Quantity	Size	Type	Unit Price	Extension
	3"	5/8" nut cap, black	\$.85	
	4"	5/8" nut cap, black	\$.85	
	6"	3/4" nut cap, black	\$1.00	
	8"	3/4" nut cap, black	\$1.00	
	12"	7/8" nut cap, black		
	14"	1" nut cap, black		
	16"	1" nut cap, black		
	18"	1-1/8" nut cap, black		

We are quoting on the Advance Products "Radolid" caps that are filled with the anti-corrosive lubricant -

Hope this helps.

5/27/2008



To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Tuesday, October 28, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #041 for RFQ #002

Florida Design Contractors proposes modify existing logic and screens per RFQ #002

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$4,259.34~~ \$ 4259

Please find attached for your information and use:

- Cost Proposal Summary Sheet #041
- RFQ #002
- Supplier/Subcontractor quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.

**FLORIDA DESIGN CONTRACTORS**

1326 S. Killian Drive

Lake Park, FL 33403

Civil & Environmental Contractors

COST PROPOSAL

NO.: 041

PROJECT NAME: Yankee Lake WRF Phase I Improvements

CIP #195201, WBS #10303004, CC-2098-07/DRR

LOCATION: Seminole County, FL

DATE: 10/27/08

OWNER: Seminole County

DRAWING NO.:

ENGINEER: Boyle Engineering

SPEC. SECTION:

REFERENCE TIME & MATERIAL: REQUEST FOR PROPOS x
DESCRIPTION: Modify EQ control at Yankee Lake and sludge flow control at both Yankee Lake and Greenwood Lakes per RFQ #002.

PRICING INFORMATION

		SKILL/TRADE	MAN-HOURS	RATE		COST
1. DIRECT LABOR	1.A GENERAL LABOR:	Welder		MH	\$ 70.00	\$ -
		Unskilled		MH	\$ 40.00	\$ -
		Skilled		MH	\$ 45.00	\$ -
		Operator		MH	\$ 49.00	\$ -
	1.B FIELD ENGINEERING:	Foreman		MH	\$ 55.00	\$ -
		Superintendent		MH	\$ 85.00	\$ -
		Project Engineer		MH	\$ 90.00	\$ -
		Project Manager	2	MH	\$ 110.00	220.00
	1.C DAILY GENERAL CONDITIONS	Vice President		MH	\$ 135.00	\$ -
		Time Increase		DAYS	\$ -	\$ -
		OVERHEAD & PROFIT			SUBTOTAL (1)	\$ 220.00
	Punchlist 1.5% Labor				\$ 3.30	
15%	\$ 33.50					
TOTAL (1)	\$ 256.80					
2. MATERIALS AND EQUIPMENT		DESCRIPTION	WEEKS	UNIT PRICE	COST	
2.A EQUIPMENT:	Crane Truck			\$3,000.00	\$ -	
	Excavator			\$2,300.00	\$ -	
	Loader			\$2,000.00	\$ -	
	Dewatering			\$1,300.00	\$ -	
2.B MATERIAL	Backhoe			\$1,500.00	\$ -	
	Scissor Lift			\$1,200.00	\$ -	
	MATERIAL		UNITS NOTED			
	Equipment/Fuel		8% Fuelled Equipment Cost		\$ -	
	Small Tools / Consumables		2% Labor Cost			
					\$ -	
					\$ -	
					\$ -	
					\$ -	
					\$ -	
					\$ -	
					\$ -	
					\$ -	
					\$ -	
2.C DIRECT COSTS:	OVERHEAD & PROFIT SALES TAX			SUBTOTAL (2)	\$ -	
				7.5%	\$ -	
				6.5%	\$ -	
				TOTAL (2)	\$ -	
				3. SUBCONTRACTORS		DESCRIPTION OF WORK
Revere Control Systems		Perform modifications to controls per RFQ #002.		\$ 3,752.00		
OVERHEAD & PROFIT				SUBTOTAL (3)	\$ 3,752.00	
				5%	\$ 187.60	
				TOTAL (3)	\$ 3,939.59	
				TOTAL (1)+(2)+(3)	\$ 4,196.39	
				1.5%	\$ 62.95	
ADDITIONAL INSURANCE (.55%) AND BONDING (.95%) COSTS:				GRAND TOTAL	\$ 4,259.34	

To: Interested Bidders

Date: October 23, 2008

Ref: Yankee Lakes EQ Control/Yankee Lake and Greenwood Lakes Sludge Flow Control (RFQ 002)

Bid Date: 22 October 2008

Quotation No: 8118

Gentlemen:

Thank you for the opportunity to offer the following proposal on the referenced project.

NOTES, QUALIFICATIONS AND EXCEPTIONS

No travel or hardware of any kind is included under this proposal. In order to reduce cost, all engineering and programming will be completed at Revere Headquarters in Birmingham and sent to the jobsite via VPN.

ENGINEERING SERVICES

- 1) Software configuration and programming to include:
 - a) HMI graphic development
 - b) PLC software configuration and programming
 - i) Two total registers for Flow Meter 105-FE/FIT-1 (EQ Flow and Filter Flow) When 105-V-7A is open and 105-V-7B is closed meter reads to EQ flow register and when 7A is closed and 7B is open meter reads to filter flow register.
 - ii) Information for daily totals for the following (6) Flow Meters:
 - (a) LY_INFLUENT-CH (influent flow)
 - (b) YL_LIFT_CH (plant lift station flow)
 - (c) 105-FE-FIT-1 (filtrate flow meter)
 - (d) 70-FE/FIT-1 (head works RAS flow meter)
 - (e) 70-FE/FIT-2 (EQ RAS flow meter)
 - (f) 110-FE/FIT-1 (sludge return flow meter)At the end of each day add together the above meters + yesterdays equalization flow set point, then divide by 2 and enter that product as today's flow set point. If during the past 24 hours the EQ level reached its high set point then add .2MG to the totals. If during the past 24 hours the EQ level reaches its low set point then subtract .3MG from the totals. Make the values for high or low events changeable on SCADA.
 - iii) Totalizer Reading on the following (2) Sludge Flowmeters:
 - (a) GWL-FIT-1
 - (b) 115-FIT-1
 - c) 1-Programming Engineer (Offsite) including up to (24) hours of programming
 - i) Additional work, if required, to be billed at RCS standard rate schedule
- 2) Warranty services for a period of 1 year.

(Name)
(Date)
Page 2

Price.....\$ 3,523 Total Net

ADD 6.5% SLES TAX

Pricing and Delivery:

Quoted prices are firm based on the following:
60 days to receive a firm purchase order.

We do not include any applicable sales taxes or fees.

Our Terms and Conditions are attached and made an integral part of this proposal.

We do not include installation, terminations, labor or supervision, wiring, cable, conduit, brackets, hangers, anchor bolts, piping fittings or valves except as herein defined.

Start-up assistance and training is included as detailed above. Additional time, if required due to incompleteness of installation, lack of operating fluids or media, or other delays related to construction or operation beyond our control will be invoiced based on current rates in effect.

Thank you for your consideration of Revere Control Systems. We look forward to working with you on this project.

Very truly yours,

Cliff Fleming

Cliff Fleming
Revere Control Systems Inc.





To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Friday, November 7, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #044 for RFI #176

Florida Design Contractors proposes to furnish and install coquina shell subgrade for area near the EQ pump station per the response to RFI #176.

By mutual acceptance of a lump sum agreement, we propose the above for an addition of:

~~\$969.75~~ \$970

Please find attached for your information and use:

- Cost Proposal Summary Sheet #044
- RFI #176
- Supplier/Subcontractor quotes

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.





SEMINOLE COUNTY ENVIRONMENTAL SERVICES CAPITAL IMPROVEMENT PROGRAM REQUEST FOR INFORMATION - CONSTRUCTION

RFI Number	176
Project Name	Yankee Lake / Greenwood Lakes Re-Rate
Contractor	Florida Design Contractors
CIP Number	195201
WBS Number	10303004
Date Submitted	10/15/08
Prepared By	Allen Bigelow
Sheet Number	YL C-103 (11)
Specification	02610

DATE STAMP - Received by Program Document

Description of Request

At page grid B-5 on C-103 (11), it calls for stabilized subgrade in the limits shown. This includes a ramp up to the 155 Building and a flat area to the north of the Equalization Pump Station. The closest thing I can find in the specifications for stabilized subgrade is section 02610 (Stabilized Sub-Base). The allowed material is high bearing soil, sand-clay, ground or crushed limestone, oyster or coquina shell, or rock screenings. I assume that this is meant to be an access road to the 155 Building and adjacent Pump Station. What material do you want, how deep, and what are the compaction requirements?

Forwarded By: Allen Bigelow

Title: Construction Manager

Date of Forwarding: October 15, 2008

Response to Request

On the sloped ramp, the intent is to utilize a less erodable substance than a sand-clay mixture. Oyster or Coquina shell would be most preferable, at a depth of 12". Compaction requirements should be 98%

Responded By: Daniel S. Augusti

Title: Construction Manager

Date of Response: 11/3/08

Date Returned to Contractor: November 3, 2008

Returned By: Allen Bigelow



4 Jays - Management, Inc.

◆P.O. Box 390395◆Deltona, FL 32739◆Phone: (386)860-4FJL◆Fax: (386)575-1101◆Email: FJL4444@Bellsouth.net

**PROPOSAL
CONTRACT FOR SERVICES**

Contractor: Florida Design Contractors
Attn: Jeffery Holst
1326 South Killian Avenue
Lake Park, FL 33403
Phone: (561) 845-1233x103
Fax: (561) 848-5992

Date: October 3, 2007

Contact: Barney Johnson
Phone: 386-860-4355

Project Name: 501 Yankee Lake Road, Sanford, FL

Proposal to supply all necessary labor, equipment and material for the above-described project as outlined below;

Provide and transport fill dirt to above listed address \$135.00/ per 18 cy load
(One Hundred Thirty-Five dollars and no cents per 18 cubic yard load)

Exclusions: *All Permits and Fees* Clearing Limits Barricades/Flagging
Survey & Layout Property Corners/Boundaries Traffic Control
Muck detection, extraction, removal or disposal

We appreciate the opportunity to quote this project. Prices quoted herein are good for thirty (30) days. Please feel free to contact me should you have any questions regarding this quotation for clearing work.

By: _____
Barney Johnson, Supervisor

By signing this document, your company agrees that this is a contract for services:

Accepted and agreed this _____ day of _____, 2007.

Name/Title: _____

Parker Brothers Trucking, Inc.

713 Governors Ave.
Orlando, FL 32808

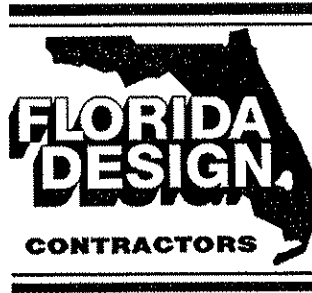
Estimate

Date	Estimate #
11/7/2008	415

Name / Address
Florida Design Contractors Atten: Jeff

			Project
Description	Qty	Cost	Total
Purchase & Deliver Shell to 501 Yankee Lake Rd Sanford, Fl	5	250.00	1,250.00
		Total	\$1,250.00

Phone #	Fax #
(407) 299 3147	(407) 299 7654



To: Allen Bigelow
Company: CH2M Hill
Address: 510 West Lake Mary Blvd
Sanford, Florida 32773
Telephone No. 407-323-5396
Fax No. 407-665-2055
Date: Wednesday, December 17, 2008
From: Jeffrey Holst, Project Engineer
Reference: Seminole County
Yankee Lake WRF Phase 1 Improvements
Sanford, Florida
Project No. CC # CC-2098-07 / DRR
Proposal #047rev1 for Sludge Removal

Florida Design Contractors, Inc. (FDC) proposes to increase the units for bid item #5 by 300 wet tons at the rate quoted at bid time. Total cost is not to exceed an additional \$165,000.00.

By mutual acceptance of a lump sum agreement, we have performed the work above for an addition of:

\$165,000.00

Please find attached for your information and use:

- Cost Proposal Summary Sheet #047
- RFI #173 Response

If you have any questions or require additional information, you may contact me via e-mail at jholst@floridadesigncontractors.com phone 561-845-1233 ext.103, fax 561-848-5992.

By: Florida Design Contractors, Inc.



SEMINOLE COUNTY ENVIRONMENTAL SERVICES CAPITAL IMPROVEMENT PROGRAM REQUEST FOR INFORMATION - CONSTRUCTION

RFI Number	173
Project Name	Yankee Lake / Greenwood Lakes Re-Rate
Contractor	Florida Design Contractors
CIP Number	195201
WBS Number	10303004
Date Submitted	10/13/08
Prepared By	Jeffrey Holst
Sheet Number	
Specification	01025, D.3

DATE STAMP - Received by Program Document

Description of Request

In the description of Unit Price Bid Items in 01025, D.3, please verify that the following areas are included: Fermentation Tanks #1 and #2; Aeration Basins #1, #2, and #3; Sludge Tanks #1 and #2.

Forwarded By: Allen Bigelow

Title: Construction Manager

Date of Forwarding: October 13, 2008

Response to Request

The intent was to allow the unit price to include process tanks being taken down. That includes all of the items listed in the question.

Responded By: Daniel S. Augusti

Title: Construction Manager

Date of Response: 10/16/08

Date Returned to Contractor: October 16, 2008

Returned By: Allen Bigelow